Answers to

1) $a^2 + 4a - 1$
2) $3n + 6$
3) $-x^3 - 7x - 3$
4) $2n^2 - 3n + 3$
5) $3n^3 + 5n - 3$
6) $x^3 + 3x^2 - 2x + 4$
7) $n^2 + 2n - 7$
8) $a^3 + 3a^2 + 2a - 4$
9) -1
10) $a^2 + 4a - 3$
11) $-4x^3 + 12x$
12) $3x^4 + 3x^3 - 6x - 6$
13) $-3t^3 - 9t^2 + 12t$
14) $-a^3 - 7a^2 - 10a$
15) $4a^3 + 2a^2 + 4a + 2$
16) $-a^2 + a + 12$
17) $-8a^3 - 16a^2 - 8a$
18) $3n^3 - 4n^2 + 12n - 16$
19) $3a^3 - 2a^2 - 12a + 8$
20) $a^3 - 2a^2 - 4a + 8$
21) -1
22) $\frac{x^2 + 5}{3x + 3}$
23) $\frac{t^2 - 4t}{t - 2}$
24) $\frac{x^2}{2}$
25) $\frac{4n + 3}{-2n^2 - 2n}$
26) $\frac{t^3 + t^2}{t + 4}$
27) 3
28) $\frac{-3n^3 + 5n}{2n + 3}$
29) $\frac{2x - 5}{x + 2}$
30) $\frac{3x + 2}{x^3 - 4}$
31) $3n^3 - 9n^2 - 6n + 6$
32) $28x - 8$
33) $-20n - 21$
34) $5n^3 + 4n - 5$
35) $3n^3 + 12n + 18$
36) $3n^2 - 9n - 18$
37) $-14n - 19$
38) $-8t^3 - 16t^2 - 12t - 20$
39) $-3n$
40) $-5x^3 - 24x - 4$
41) $-4t^3 - 8t^2 + 2$
42) $12a + 7$
43) $-3x^3 + x^2 - 4$
44) $3a^2 + 11$
45) $3x^3 + 15x^2 - 5$
46) $4t^2 + 13$
47) $9x^2 - 12x + 3$
48) $4x - 11$
49) $2a^3 - 10a + 2$
50) $27x^2 + 90x + 78$
51) $8n^3 - 36n^2 + 54n - 26$
52) $-27x^2 + 3$
53) $x + 5$
54) $4n + 6$
55) $16t - 9$
56) $2t - 2$
57) $4x + 2$
58) $-3n^3 - 27n^2 - 81n - 80$
59) $x^2 + 2$
60) $4x^2 - 19$
61) 4
62) -42
63) 78
64) 2
65) -39
66) -70
67) 56
68) 52
69) 1
70) 0
71) $-\frac{13}{23}$
72) 39
73) -30
74) $\frac{41}{44}$
75) -10
76) 3
77) 8
78) 2
79) -5
80) -4
81) $g^{-1}(x) = \frac{-5 - 3x}{5}$
82) $f^{-1}(n) = -n - 1$
83) $g^{-1}(x) = \frac{x - 3}{3}$
84) $h^{-1}(n) = \frac{-20 - n}{5}$
85) $g^{-1}(x) = \frac{-3x - 7}{2}$
86) $g^{-1}(x) = -1 - \frac{4}{3}x$
87) $g^{-1}(n) = \frac{-2n - 2}{5}$
88) $f^{-1}(n) = -\frac{1}{4}n - \frac{3}{4}$
89) $f^{-1}(x) = \frac{15 + 4x}{3}$
90) $g^{-1}(n) = -4n - 4$
91) $f^{-1}(x) = 3x - 1$
92) $g^{-1}(x) = 3x - 9$
93) $g^{-1}(x) = -\frac{2}{3}x + \frac{4}{3}$
94) $g^{-1}(n) = -3n - 5$
95) $h^{-1}(x) = x + 2$
96) $f^{-1}(x) = -\frac{4}{3}x$
97) $g^{-1}(x) = \frac{-12 + x}{3}$
98) $f^{-1}(x) = \frac{-3x - 15}{10}$
99) $g^{-1}(x) = \frac{-15 - 3x}{5}$
100) $f^{-1}(x) = 2 - \frac{2}{5}x$
101) $f^{-1}(x) = \sqrt[3]{x} + 3$
102) $g^{-1}(x) = 2x^3 - 2$
103) $f^{-1}(x) = (x + 1)^3$
104) $f^{-1}(x) = -(x + 3)^3$
105) $f^{-1}(x) = 2 + (x - 2)^3$
106) $g^{-1}(x) = (x + 1)^5 + 3$
107) $f^{-1}(x) = x^3 + 2$
108) $f^{-1}(x) = \frac{-6 - \sqrt[5]{16x}}{2}$
109) $g^{-1}(x) = \sqrt[3]{\frac{-x + 3}{2}}$
110) $f^{-1}(x) = \sqrt[5]{\frac{x - 1}{2}}$
111) $h^{-1}(x) = -\sqrt[5]{x}$
112) $f^{-1}(x) = -3 + x^3$
113) $g^{-1}(x) = \frac{-6 - \sqrt[3]{4x}}{2}$
114) $h^{-1}(x) = 2x^3 - 3$
115) $f^{-1}(x) = 2(x - 3)^3$
116) $h^{-1}(x) = \sqrt[5]{x + 1} + 1$
117) $f^{-1}(x) = \sqrt[5]{x - 3} - 1$
118) $f^{-1}(x) = -\sqrt[5]{x} - 2$

119) $f^{-1}(x) = -1 + (x-2)^5$

120) $f^{-1}(x) = -3 + (x+2)^5$

121) $f^{-1}(x) = \frac{2}{x-2} - 2$

122) $f^{-1}(n) = \frac{4}{n-1} - 1$

123) $g^{-1}(x) = -\frac{4}{x+2} - 2$

124) $f^{-1}(x) = -\frac{4}{x-1} + 3$

125) $f^{-1}(x) = -\frac{3}{x-2} + 2$

126) $g^{-1}(x) = -\frac{2}{x-2} - 2$

127) $f^{-1}(x) = \frac{3}{x} - 1$

128) $h^{-1}(n) = \frac{4}{-n-3} + 2$

129) $h^{-1}(x) = \frac{3}{x+1} + 1$

130) $g^{-1}(x) = \frac{3}{x-2} - 1$

131) $g^{-1}(x) = -\frac{3}{x+2} + 3$

132) $g^{-1}(x) = -\frac{2}{x+1} - 2$

133) $f^{-1}(x) = \frac{4}{x}$

134) $f^{-1}(x) = \frac{1}{x-1} + 2$

135) $h^{-1}(n) = \frac{1}{n+2} + 2$

136) $f^{-1}(x) = -\frac{4}{x+1} - 3$

137) $f^{-1}(x) = -\frac{4}{x+1} + 2$

138) $f^{-1}(n) = -\frac{1}{n+2} + 1$

139) $f^{-1}(x) = -\frac{2}{x-1} - 1$

140) $g^{-1}(x) = \frac{1}{x+3} - 2$

141) Yes

142) Yes

143) No

144) No

145) No

146) Yes

147) No

148) Yes

149) No

150) Yes

151) No

152) No

153) Yes

154) Yes

155) Yes

156) Yes

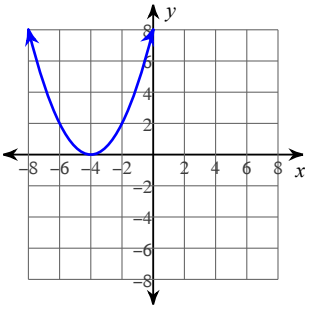
157) Yes

158) No

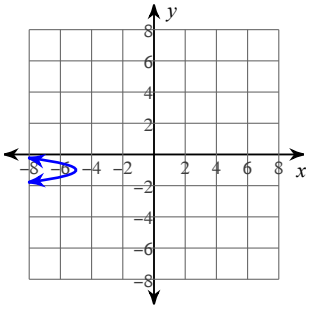
159) No

160) Yes

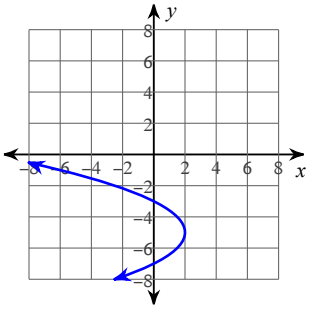
161)



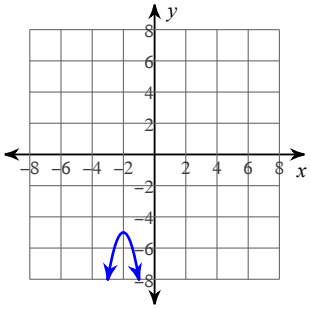
162)



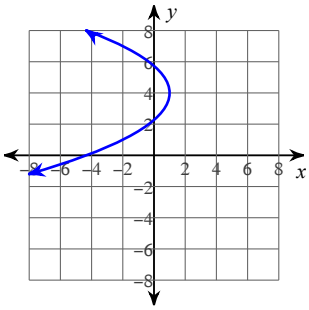
163)



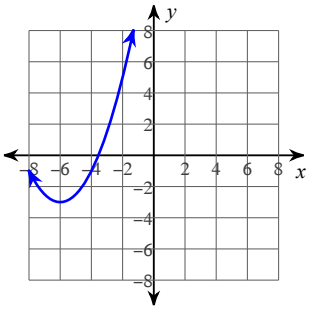
164)



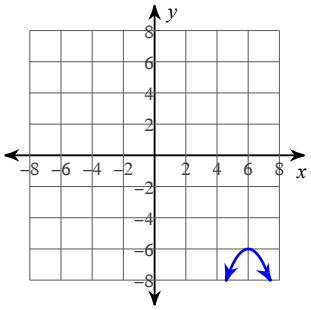
165)



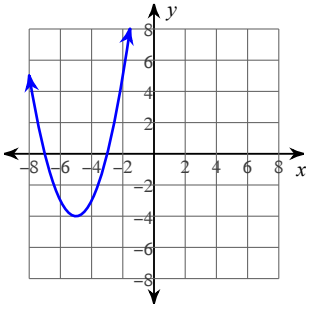
166)



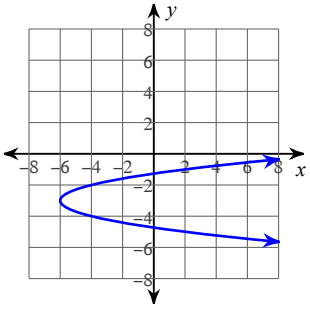
167)



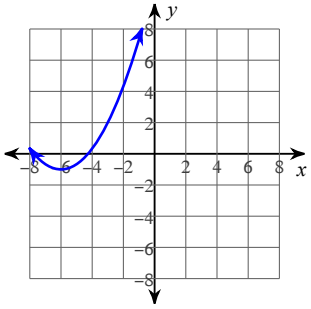
168)



169)



170)



171) $y = -5(x-8)^2 + 4$

172) $y = -\frac{1}{3}x^2 - 8$

173) $x = -2(y+6)^2 + 9$

174) $x = -\frac{1}{2}y^2 + 4$

175) $x = -3(y-10)^2 + 1$

176) $y = -(x-1)^2 + 9$

177) $y = -8(x-3)^2 + 3$

178) $y = -8(x-8)^2 + 4$

179) $x = -2(y-10)^2 - 5$

180) $x = \frac{3}{4}(y+9)^2 - 10$

181) $x = -y^2 - 4$

182) $y = -\frac{1}{4}(x-10)^2 - 3$

183) $x = -(y-10)^2 + 1$

184) $x = -(y-6)^2 + 9$

185) $y = (x-3)^2 + 4$

186) $x = \frac{1}{4}(y-3)^2 + 1$

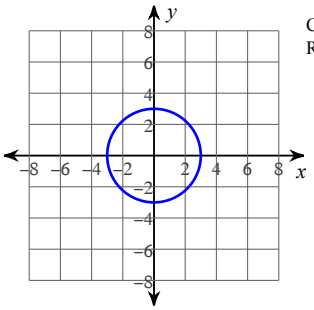
187) $x = 5(y-10)^2 - 6$

188) $y = \frac{1}{4}(x+2)^2 - 5$

189) $x = -4(y-3)^2 - 10$

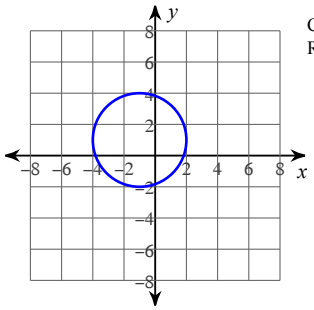
190) $x = 2(y+7)^2 - 5$

191)



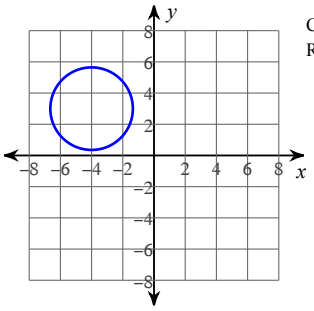
Center: $(0, 0)$
Radius: 3

192)



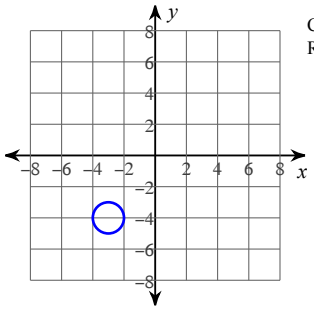
Center: $(-1, 1)$
Radius: 3

193)



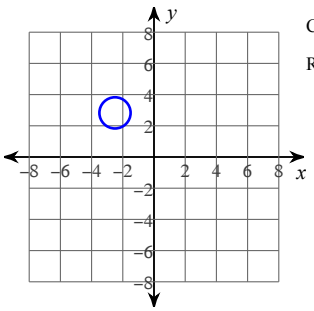
Center: $(-4, 3)$
Radius: $\sqrt{7}$

194)



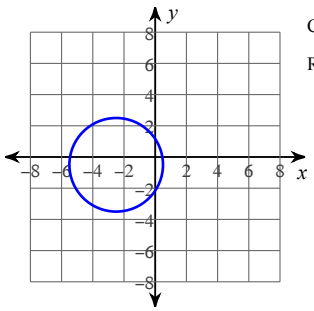
Center: $(-3, -4)$
Radius: 1

195)



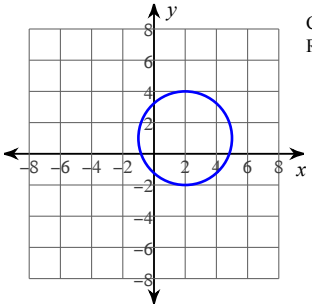
Center: $\left(-\frac{5}{2}, 2\sqrt{2}\right)$
Radius: 1

196)



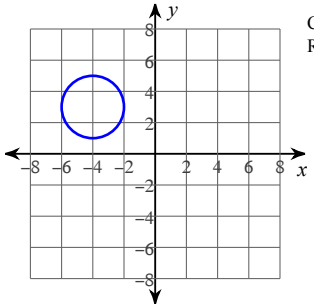
Center: $\left(-\frac{5}{2}, -\frac{1}{2}\right)$
Radius: 3

197)



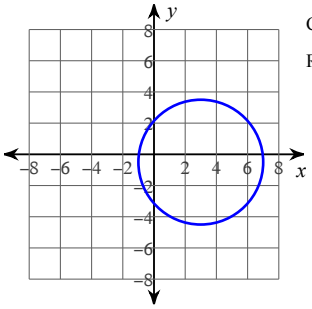
Center: $(2, 1)$
Radius: 3

198)



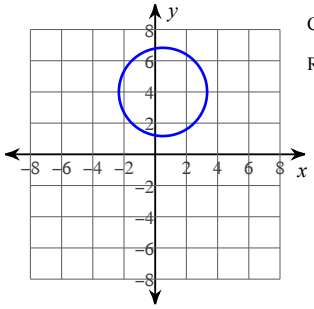
Center: $(-4, 3)$
Radius: 2

199)



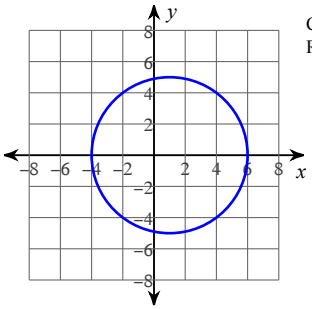
Center: $\left(3, -\frac{1}{2}\right)$
Radius: 4

200)



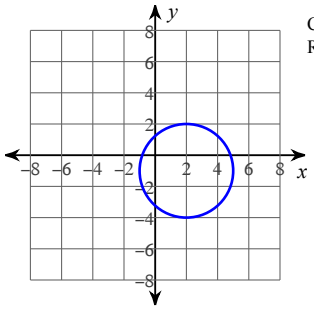
Center: $\left(\frac{1}{2}, 4\right)$
Radius: $2\sqrt{2}$

201)



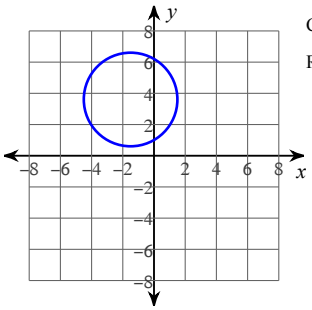
Center: $(1, 0)$
Radius: 5

202)



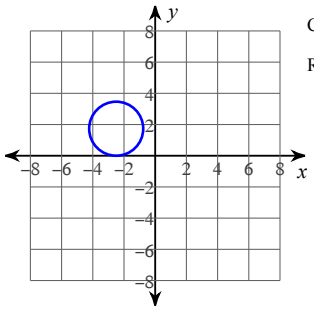
Center: $(2, -1)$
Radius: 3

203)



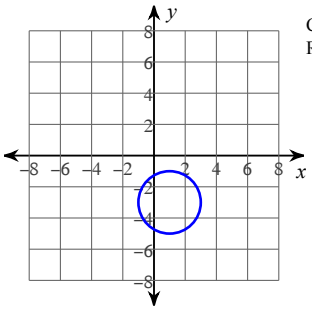
Center: $\left(-\frac{3}{2}, \sqrt{13}\right)$
Radius: 3

204)



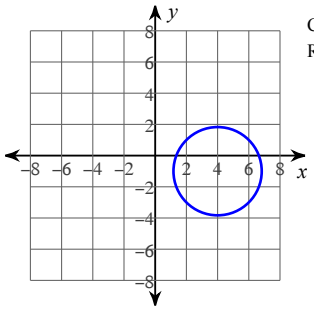
Center: $\left(-\frac{5}{2}, \sqrt{3}\right)$
Radius: $\sqrt{3}$

205)



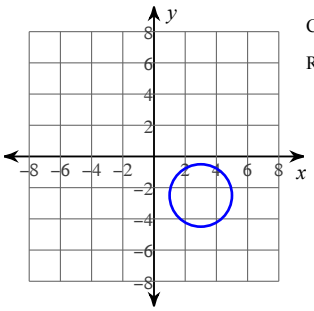
Center: $(1, -3)$
Radius: 2

206)



Center: $(4, -1)$
Radius: $2\sqrt{2}$

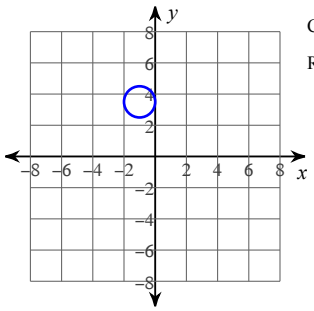
207)



Center: $\left(3, -\frac{5}{2}\right)$

Radius: 2

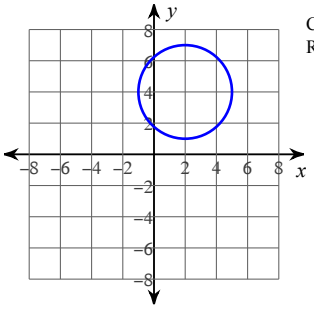
208)



Center: $\left(-1, \frac{7}{2}\right)$

Radius: 1

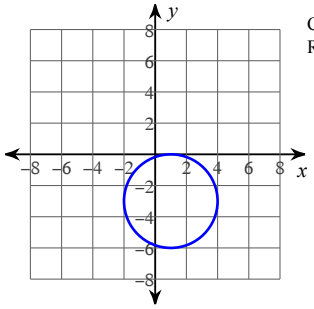
209)



Center: $(2, 4)$

Radius: 3

210)



Center: $(1, -3)$

Radius: 3

211) $(x-16)^2+(y+10)^2=4$

212) $(x-11)^2+(y+4)^2=36$

213) $(x+15)^2+\left(y-\frac{1}{2}\right)^2=16$

214) $\left(x-4\sqrt{11}\right)^2+(y+13)^2=4$

215) $\left(x+\frac{13}{2}\right)^2+\left(y-\frac{1}{2}\right)^2=100$

216) $(x+2)^2+(y-7)^2=41$

217) $(x+5)^2+(y+11)^2=5$

218) $(x-13)^2+(y+6)^2=36$

219) $(x+5)^2+(y+4)^2=1$

220) $(x+14)^2+(y+14)^2=4$

221) $(x-4)^2+(y-13)^2=19$

222) $(x-10)^2+(y-4)^2=81$

223) $(x+2)^2+(y+9)^2=100$

224) $(x-15)^2+(y-6)^2=16$

225) $(x+9)^2+(y-12)^2=16$

226) $(x-13)^2+(y+10)^2=31$

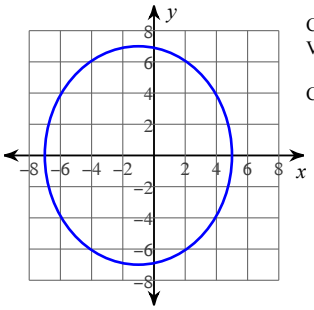
227) $(x-4)^2+(y-13)^2=9$

228) $(x+10)^2+(y-14)^2=17$

229) $x^2+(y-15)^2=1$

230) $x^2+(y-15)^2=9$

231)

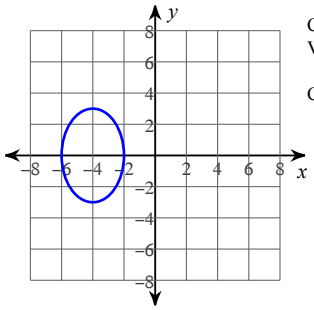


Center: $(-1, 0)$

Vertices: $(-1, 7)$
$(-1, -7)$

Co-vertices: $(5, 0)$
$(-7, 0)$

232)

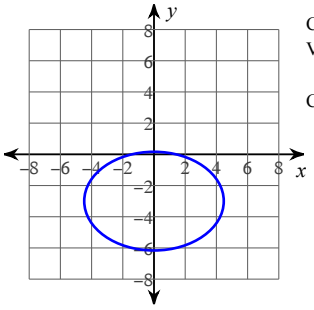


Center: $(-4, 0)$

Vertices: $(-4, 3)$
$(-4, -3)$

Co-vertices: $(-2, 0)$
$(-6, 0)$

233)

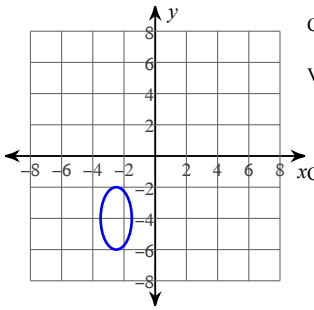


Center: $(0, -3)$

Vertices: $(2\sqrt{5}, -3)$
$(-2\sqrt{5}, -3)$

Co-vertices: $(0, -3+\sqrt{10})$
$(0, -3-\sqrt{10})$

234)

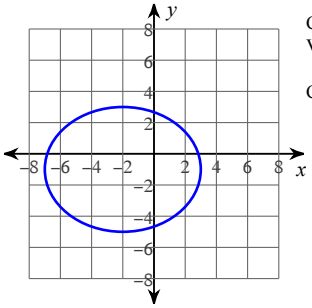


Center: $\left(-\frac{5}{2}, -4\right)$

Vertices: $\left(-\frac{5}{2}, -2\right)$
$\left(-\frac{5}{2}, -6\right)$

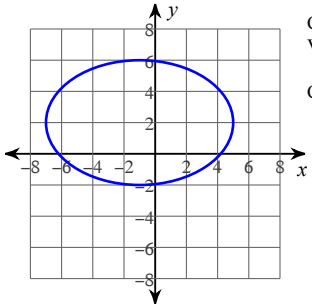
Co-vertices: $\left(-\frac{3}{2}, -4\right)$
$\left(-\frac{7}{2}, -4\right)$

235)



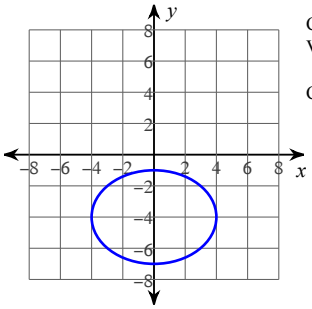
Center: $(-2, -1)$
Vertices: $(3, -1)$
$(-7, -1)$
Co-vertices: $(-2, 3)$
$(-2, -5)$

236)



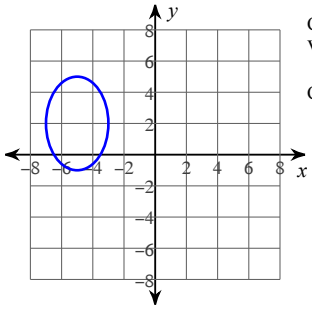
Center: $(-1, 2)$
Vertices: $(5, 2)$
$(-7, 2)$
Co-vertices: $(-1, 6)$
$(-1, -2)$

237)



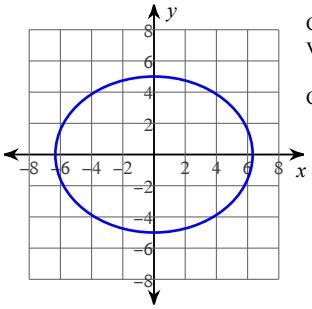
Center: $(0, -4)$
Vertices: $(4, -4)$
$(-4, -4)$
Co-vertices: $(0, -1)$
$(0, -7)$

238)



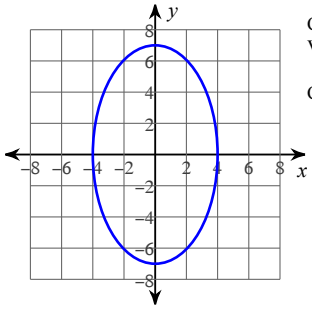
Center: $(-5, 2)$
Vertices: $(-5, 5)$
$(-5, -1)$
Co-vertices: $(-3, 2)$
$(-7, 2)$

239)



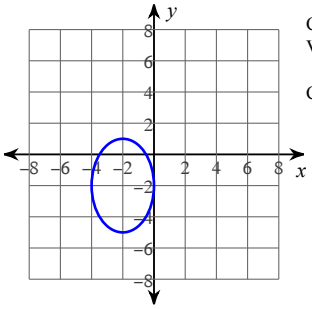
Center: $(0, 0)$
Vertices: $(2\sqrt{10}, 0)$
$(-2\sqrt{10}, 0)$
Co-vertices: $(0, 5)$
$(0, -5)$

240)



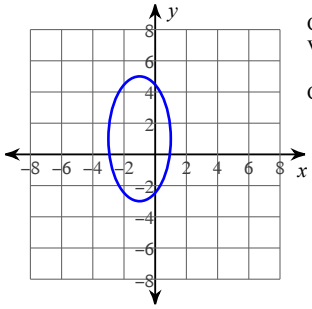
Center: $(0, 0)$
Vertices: $(0, 7)$
$(0, -7)$
Co-vertices: $(4, 0)$
$(-4, 0)$

241)



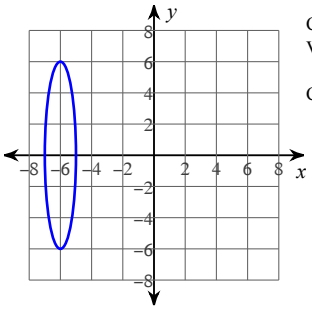
Center: $(-2, -2)$
Vertices: $(-2, 1)$
$(-2, -5)$
Co-vertices: $(0, -2)$
$(-4, -2)$

242)



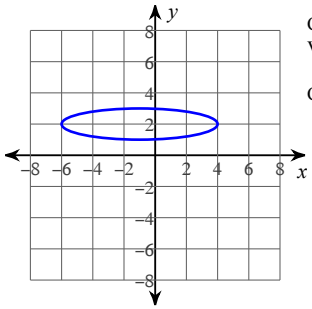
Center: $(-1, 1)$
Vertices: $(-1, 5)$
$(-1, -3)$
Co-vertices: $(1, 1)$
$(-3, 1)$

243)



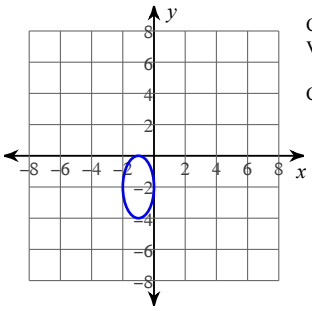
Center: $(-6, 0)$
Vertices: $(-6, 6)$
$(-6, -6)$
Co-vertices: $(-5, 0)$
$(-7, 0)$

244)



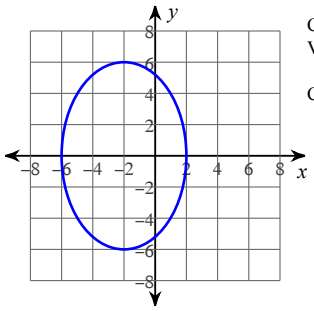
Center: $(-1, 2)$
Vertices: $(4, 2)$
$(-6, 2)$
Co-vertices: $(-1, 3)$
$(-1, 1)$

245)



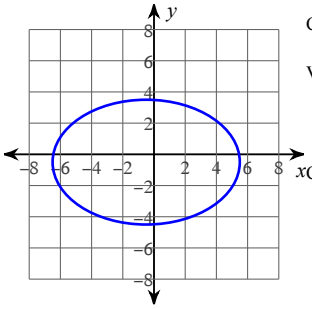
Center: $(-1, -2)$
Vertices: $(-1, 0)$
$(-1, -4)$
Co-vertices: $(0, -2)$
$(-2, -2)$

246)



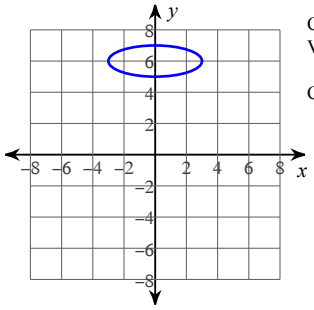
Center: $(-2, 0)$
Vertices: $(-2, 6)$
$(-2, -6)$
Co-vertices: $(2, 0)$
$(-6, 0)$

247)



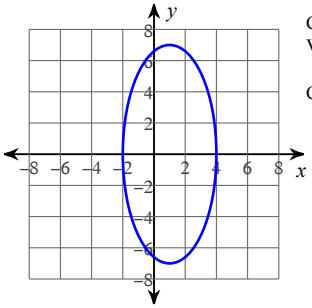
Center: $\left(-\frac{1}{2}, -\frac{1}{2}\right)$
Vertices: $\left(\frac{11}{2}, -\frac{1}{2}\right)$
$\left(-\frac{13}{2}, -\frac{1}{2}\right)$
Co-vertices: $\left(-\frac{1}{2}, \frac{7}{2}\right)$
$\left(-\frac{1}{2}, -\frac{9}{2}\right)$

248)



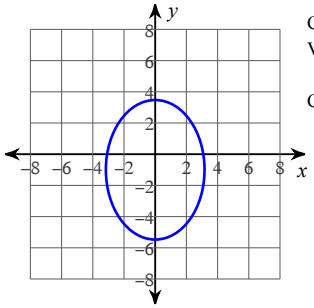
Center: $(0, 6)$
Vertices: $(3, 6)$
$(-3, 6)$
Co-vertices: $(0, 7)$
$(0, 5)$

249)



Center: $(1, 0)$
Vertices: $(1, 7)$
$(1, -7)$
Co-vertices: $(4, 0)$
$(-2, 0)$

250)



Center: $(0, -1)$
Vertices: $(0, -1 + 2\sqrt{5})$
$(0, -1 - 2\sqrt{5})$
Co-vertices: $(\sqrt{10}, -1)$
$(-\sqrt{10}, -1)$

251) $\frac{(x-6)^2}{25} + \frac{(y+4)^2}{4} = 1$

252) $\frac{(x+2)^2}{81} + \frac{(y+5)^2}{16} = 1$

253) $\frac{(x+9)^2}{16} + \frac{(y+8)^2}{121} = 1$

254) $\frac{(x-5)^2}{64} + \frac{(y+2)^2}{121} = 1$

255) $\frac{(x-4)^2}{121} + \frac{(y+8)^2}{64} = 1$

256) $\frac{(x+2)^2}{100} + \frac{(y-3)^2}{49} = 1$

257) $\frac{(x+1)^2}{121} + \frac{(y+3)^2}{100} = 1$

258) $\frac{(x-8)^2}{25} + \frac{(y-2)^2}{36} = 1$

259) $\frac{(x+5)^2}{225} + \frac{(y-5)^2}{81} = 1$

260) $\frac{(x+7)^2}{4} + \frac{(y+9)^2}{16} = 1$

261) $\frac{(x+1)^2}{25} + \frac{(y-9)^2}{81} = 1$

262) $\frac{(x+2)^2}{100} + \frac{(y-5)^2}{121} = 1$

263) $\frac{x^2}{16} + \frac{(y-4)^2}{64} = 1$

264) $\frac{(x+3)^2}{144} + \frac{(y-3)^2}{4} = 1$

265) $\frac{(x-4)^2}{125} + \frac{(y-9)^2}{55} = 1$

266) $\frac{\left(x+\frac{5}{2}\right)^2}{144} + \frac{(y+7)^2}{64} = 1$

267) $\frac{(x-7)^2}{49} + \frac{(y-2)^2}{225} = 1$

268) $\frac{(x+2)^2}{169} + \frac{(y-5)^2}{64} = 1$

269) $\frac{(x-1)^2}{81} + \frac{(y+5)^2}{9} = 1$

270) $\frac{(x-6)^2}{115} + \frac{(y+2)^2}{75} = 1$

271) $\frac{(x+3)^2}{49} + \frac{(y-4)^2}{196} = 1$

272) $\frac{(x-7)^2}{9} + \frac{(y+2)^2}{36} = 1$

273) $\frac{(x+10)^2}{100} + \frac{(y-3)^2}{64} = 1$

274) $\frac{(x-5)^2}{81} + \frac{(y+3)^2}{36} = 1$

275) $\frac{(x+2)^2}{36} + \frac{(y+10)^2}{81} = 1$

276) $\frac{\left(x+\frac{15}{2}\right)^2}{60} + \frac{\left(y+\frac{7}{2}\right)^2}{75} = 1$

277) $\frac{(x-6)^2}{16} + \frac{(y+5)^2}{144} = 1$

278) $\frac{x^2}{25} + \frac{(y-4)^2}{16} = 1$

279) $\frac{(x+6)^2}{144} + \frac{(y+5)^2}{36} = 1$

280) $\frac{(x+8)^2}{144} + \frac{(y+4)^2}{36} = 1$

281) $\frac{(x-3)^2}{144} + \frac{(y-2)^2}{36} = 1$

282) $\frac{(x-4)^2}{100} + \frac{(y-8)^2}{64} = 1$

283) $\frac{x^2}{16} + \frac{(y-5)^2}{100} = 1$

284) $\frac{(x+7)^2}{25} + \frac{(y-4)^2}{100} = 1$

285) $\frac{(x-4)^2}{20} + \frac{(y-1)^2}{115} = 1$

286) $\frac{x^2}{144} + \frac{(y-5)^2}{36} = 1$

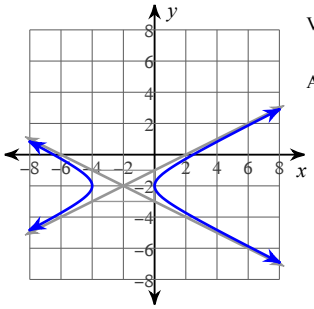
287) $\frac{(x+8)^2}{90} + \frac{(y-2)^2}{5} = 1$

288) $\frac{(x+4)^2}{4} + \frac{(y+7)^2}{36} = 1$

289) $\frac{(x-6)^2}{64} + \frac{(y-4)^2}{36} = 1$

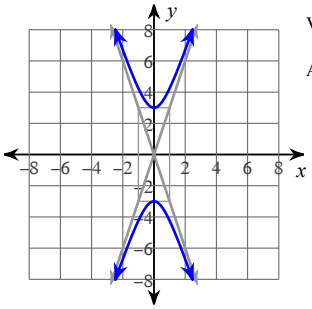
290) $\frac{(x-5)^2}{49} + \frac{y^2}{9} = 1$

291)



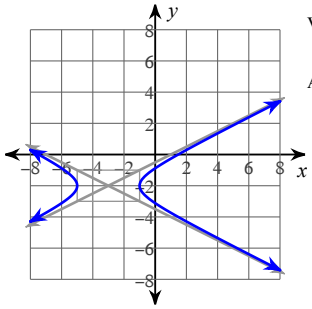
Vertices: $(0, -2)$
$(-4, -2)$
Asym.: $y = \frac{1}{2}x - 1$
$y = -\frac{1}{2}x - 3$

292)



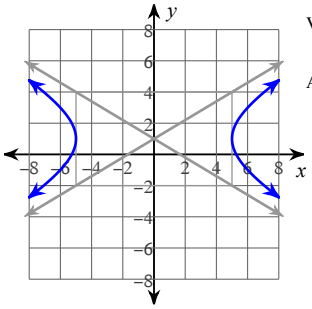
Vertices: $(0, 3)$
$(0, -3)$
Asym.: $y = 3x$
$y = -3x$

293)



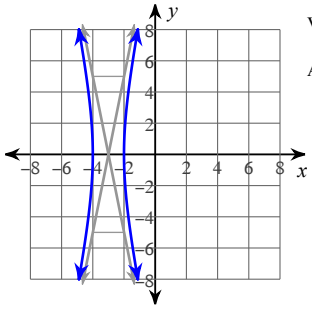
Vertices: $(-1, -2)$
$(-5, -2)$
Asym.: $y = \frac{1}{2}x - \frac{1}{2}$
$y = -\frac{1}{2}x - \frac{7}{2}$

294)



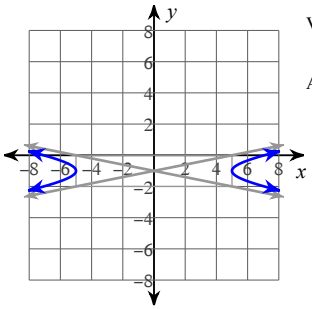
Vertices: $(5, 1)$
$(-5, 1)$
Asym.: $y = \frac{3}{5}x + 1$
$y = -\frac{3}{5}x + 1$

295)



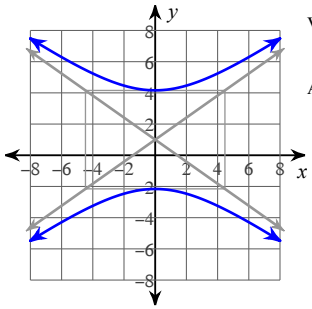
Vertices: $(-2, 0)$
$(-4, 0)$
Asym.: $y = 5x + 15$
$y = -5x - 15$

296)



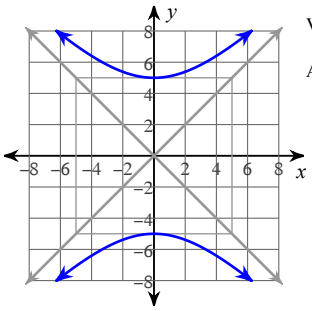
Vertices: $(5, -1)$
$(-5, -1)$
Asym.: $y = \frac{1}{5}x - 1$
$y = -\frac{1}{5}x - 1$

297)



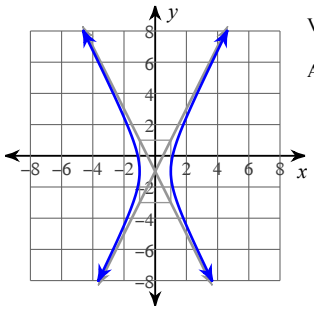
Vertices: $(0, 1 + \sqrt{10})$
$(0, 1 - \sqrt{10})$
Asym.: $y = \frac{x\sqrt{2}}{2} + 1$
$y = -\frac{x\sqrt{2}}{2} + 1$

298)



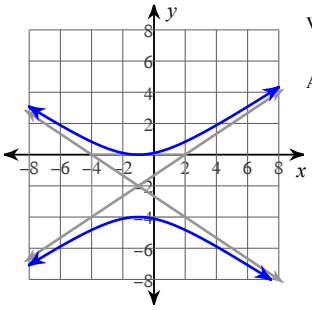
Vertices: $(0, 5)$
$(0, -5)$
Asym.: $y = x$
$y = -x$

299)



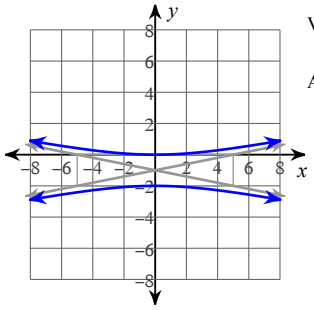
Vertices: $(1, -1)$
$(-1, -1)$
Asym.: $y = 2x - 1$
$y = -2x - 1$

300)



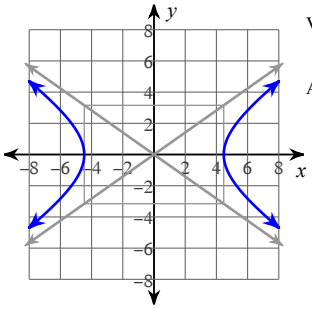
Vertices: $(-1, 0)$
$(-1, -4)$
Asym.: $y = \frac{2}{3}x - \frac{4}{3}$
$y = -\frac{2}{3}x - \frac{8}{3}$

301)



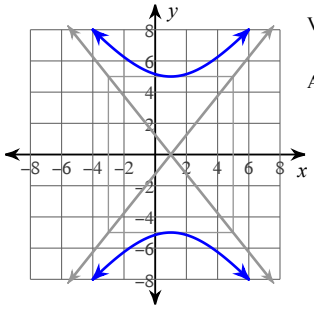
Vertices: $(0, 0)$
$(0, -2)$
Asym.: $y = \frac{1}{5}x - 1$
$y = -\frac{1}{5}x - 1$

302)



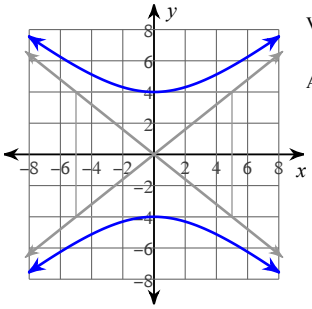
Vertices: $(2\sqrt{5}, 0)$
$(-2\sqrt{5}, 0)$
Asym.: $y = \frac{x\sqrt{2}}{2}$
$y = -\frac{x\sqrt{2}}{2}$

303)



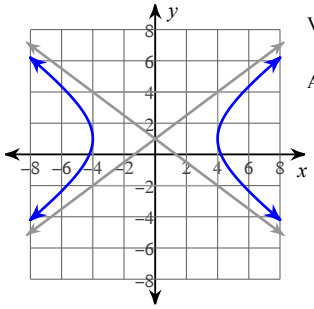
Vertices: $(1, 5)$
$(1, -5)$
Asym.: $y = \frac{5}{4}x - \frac{5}{4}$
$y = -\frac{5}{4}x + \frac{5}{4}$

304)



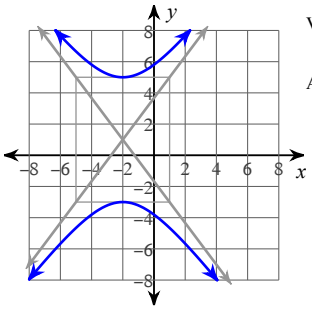
Vertices: $(0, 4)$
$(0, -4)$
Asym.: $y = \frac{4}{5}x$
$y = -\frac{4}{5}x$

305)



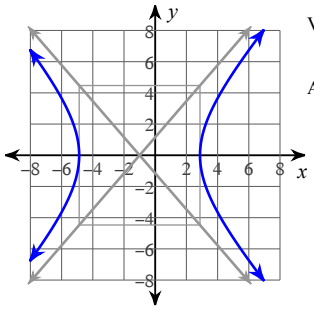
Vertices: $(4, 1)$
$(-4, 1)$
Asym.: $y = \frac{3}{4}x + 1$
$y = -\frac{3}{4}x + 1$

306)



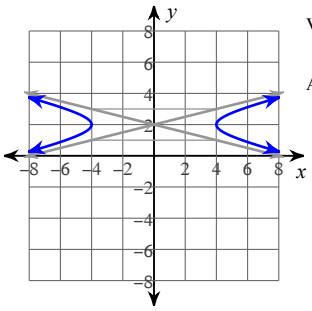
Vertices: $(-2, 5)$
$(-2, -3)$
Asym.: $y = \frac{4}{3}x + \frac{11}{3}$
$y = -\frac{4}{3}x - \frac{5}{3}$

307)



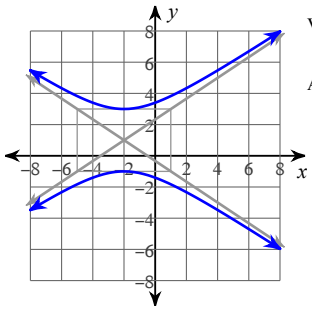
Vertices: $(-1 + \sqrt{15}, 0)$
$(-1 - \sqrt{15}, 0)$
Asym.: $y = \frac{2x\sqrt{3}}{3} + \frac{2\sqrt{3}}{3}$
$y = -\frac{2x\sqrt{3}}{3} - \frac{2\sqrt{3}}{3}$

308)



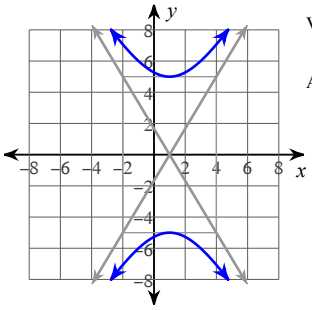
Vertices: $(4, 2)$
$(-4, 2)$
Asym.: $y = \frac{1}{4}x + 2$
$y = -\frac{1}{4}x + 2$

309)



Vertices: $(-2, 3)$
$(-2, -1)$
Asym.: $y = \frac{2}{3}x + \frac{7}{3}$
$y = -\frac{2}{3}x - \frac{1}{3}$

310)



Vertices: $(1, 5)$
$(1, -5)$
Asym.: $y = \frac{5}{3}x - \frac{5}{3}$
$y = -\frac{5}{3}x + \frac{5}{3}$

311) $\frac{(y+2)^2}{16} - \frac{(x+7)^2}{4} = 1$

312) $\frac{(y+8)^2}{36} - \frac{(x+6)^2}{25} = 1$

313) $\frac{(y+7)^2}{80} - \frac{(x+8)^2}{105} = 1$

314) $\frac{(y-6)^2}{105} - \frac{(x+1)^2}{150} = 1$

315) $\frac{(y-8)^2}{196} - \frac{(x-7)^2}{64} = 1$

316) $\frac{(x+10)^2}{49} - \frac{(y-6)^2}{121} = 1$

317) $\frac{(x-1)^2}{110} - \frac{(y+2)^2}{200} = 1$

318) $\frac{(y-7)^2}{169} - \frac{(x-2)^2}{16} = 1$

319) $\frac{(x-1)^2}{81} - \frac{(y-9)^2}{9} = 1$

320) $\frac{(y+2)^2}{36} - \frac{(x-1)^2}{36} = 1$

321) $\frac{(y-6)^2}{20} - \frac{(x-6)^2}{10} = 1$

322) $\frac{x^2}{49} - \frac{(y-6)^2}{36} = 1$

323) $\frac{(x-5)^2}{49} - \frac{(y-4)^2}{100} = 1$

324) $\frac{(x+1)^2}{36} - \frac{(y-2)^2}{49} = 1$

325) $\frac{(x-10)^2}{64} - \frac{(y-5)^2}{64} = 1$

326) $\frac{(y-4)^2}{144} - \frac{(x-9)^2}{144} = 1$

327) $\frac{(y+8)^2}{121} - \frac{(x+6)^2}{100} = 1$

328) $\frac{(x+7)^2}{144} - \frac{(y+6)^2}{16} = 1$

329) $\frac{(y-2)^2}{4} - \frac{(x+6)^2}{196} = 1$

330) $\frac{(y+1)^2}{64} - \frac{(x+9)^2}{169} = 1$

331) $\frac{(x+6)^2}{36} - \frac{(y-3)^2}{144} = 1$

332) $\frac{(y-10)^2}{81} - \frac{(x+7)^2}{144} = 1$

333) $\frac{(y+7)^2}{36} - \frac{(x+5)^2}{225} = 1$

334) $\frac{(x-5)^2}{25} - \frac{(y+2)^2}{36} = 1$

335) $\frac{(y-2)^2}{225} - \frac{(x-4)^2}{25} = 1$

336) $\frac{(x-6)^2}{144} - \frac{(y+2)^2}{36} = 1$

337) $\frac{(x+8)^2}{36} - \frac{(y+2)^2}{81} = 1$

338) $\frac{x^2}{36} - \frac{(y-10)^2}{36} = 1$

339) $\frac{(y+7)^2}{36} - \frac{(x-3)^2}{25} = 1$

340) $\frac{(y-2)^2}{25} - \frac{(x+1)^2}{16} = 1$

341) $\frac{(x-10)^2}{16} - \frac{(y+4)^2}{16} = 1$

342) $\frac{(x+2)^2}{36} - \frac{y^2}{9} = 1$

343) $\frac{(y+1)^2}{36} - \frac{(x-4)^2}{144} = 1$

344) $\frac{y^2}{36} - \frac{(x-1)^2}{144} = 1$

345) $\frac{(x+7)^2}{36} - \frac{(y+3)^2}{144} = 1$

346) $\frac{(x+6)^2}{16} - \frac{(y+3)^2}{144} = 1$

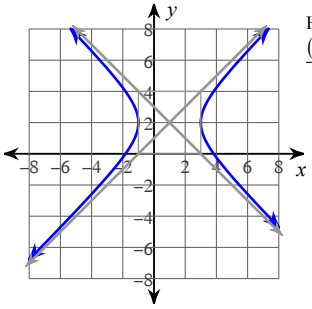
347) $\frac{(y-3)^2}{144} - \frac{(x+3)^2}{36} = 1$

348) $\frac{(y+8)^2}{49} - \frac{(x+2)^2}{9} = 1$

349) $\frac{(x+7)^2}{100} - \frac{(y-5)^2}{100} = 1$

350) $\frac{(x+1)^2}{100} - \frac{(y-5)^2}{25} = 1$

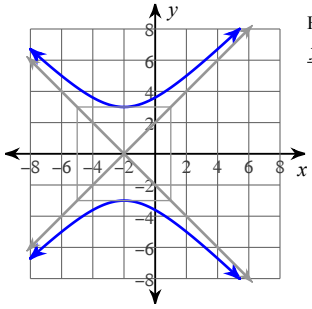
351)



Hyperbola

$$\frac{(x-1)^2}{4} - \frac{(y-2)^2}{4} = 1$$

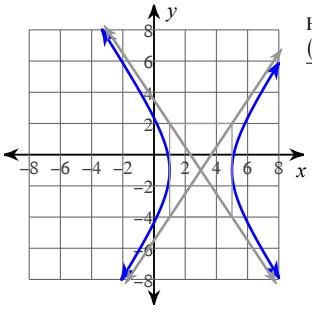
352)



Hyperbola

$$\frac{y^2}{9} - \frac{(x+2)^2}{9} = 1$$

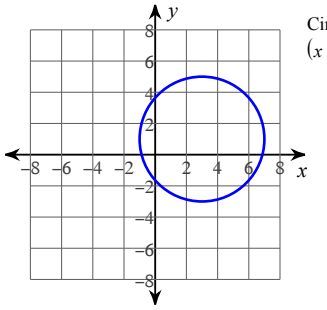
353)



Hyperbola

$$\frac{(x-3)^2}{4} - \frac{(y+1)^2}{9} = 1$$

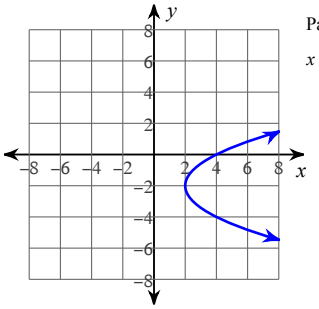
354)



Circle

$$(x-3)^2 + (y-1)^2 = 16$$

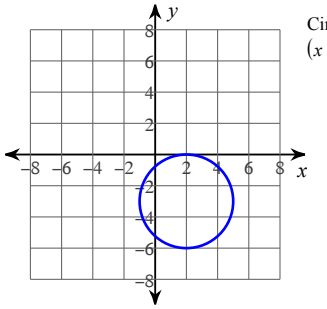
355)



Parabola

$$x = \frac{1}{2}(y+2)^2 + 2$$

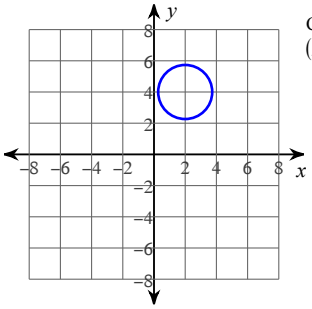
356)



Circle

$$(x-2)^2 + (y+3)^2 = 9$$

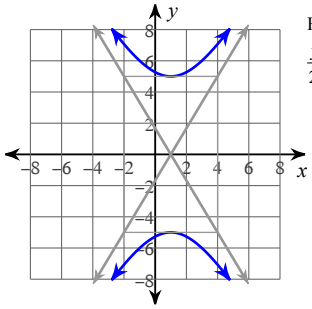
357)



Circle

$$(x-2)^2 + (y-4)^2 = 3$$

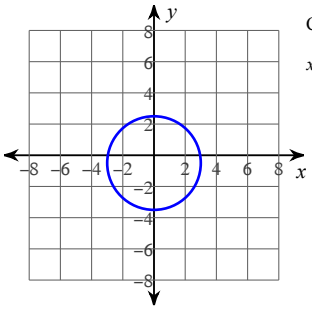
358)



Hyperbola

$$\frac{y^2}{25} - \frac{(x-1)^2}{9} = 1$$

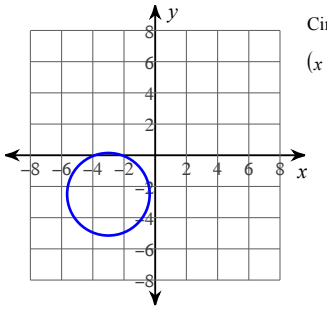
359)



Circle

$$x^2 + \left(y + \frac{1}{2}\right)^2 = 9$$

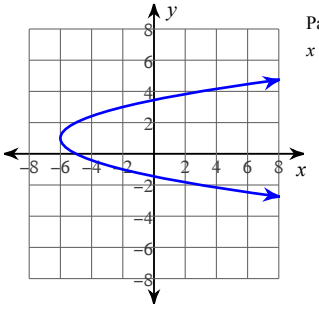
360)



Circle

$$(x+3)^2 + \left(y + \frac{5}{2}\right)^2 = 7$$

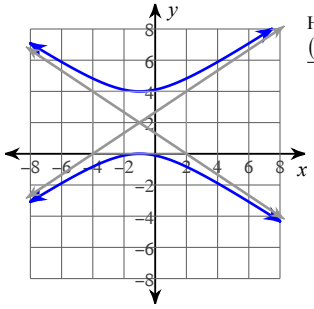
361)



Parabola

$x = (y-1)^2 - 6$

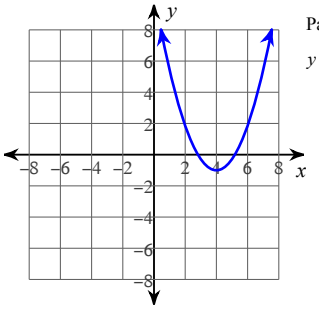
362)



Hyperbola

$\frac{(y-2)^2}{4} - \frac{(x+1)^2}{9} = 1$

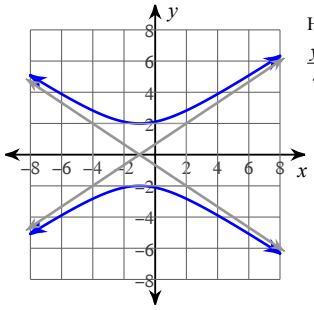
363)



Parabola

$y = \frac{5}{7}(x-4)^2 - 1$

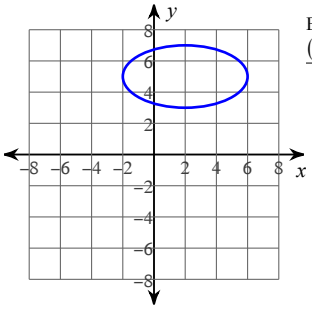
364)



Hyperbola

$\frac{y^2}{4} - \frac{(x+1)^2}{9} = 1$

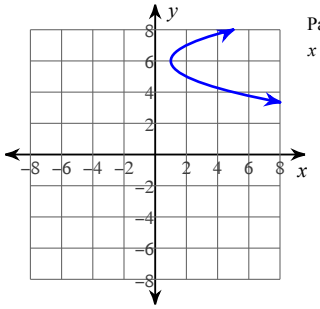
365)



Ellipse

$\frac{(x-2)^2}{16} + \frac{(y-5)^2}{4} = 1$

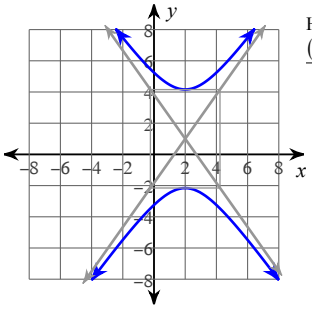
366)



Parabola

$x = (y-6)^2 + 1$

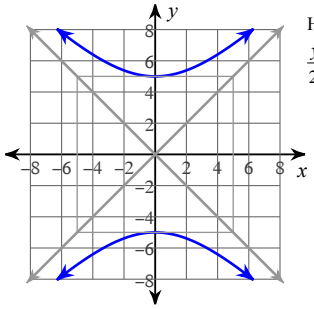
367)



Hyperbola

$\frac{(y-1)^2}{10} - \frac{(x-2)^2}{5} = 1$

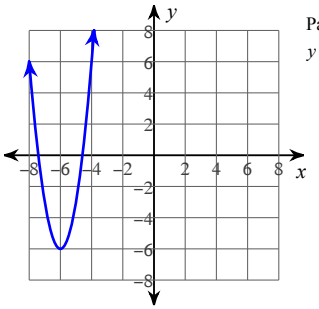
368)



Hyperbola

$\frac{y^2}{25} - \frac{x^2}{25} = 1$

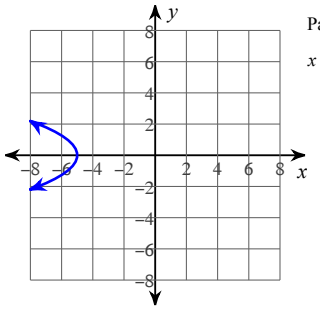
369)



Parabola

$y = 3(x+6)^2 - 6$

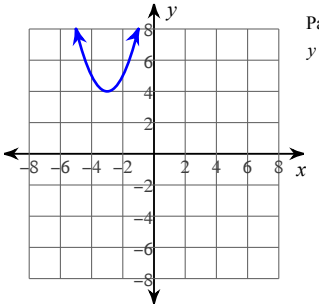
370)



Parabola

$x = -\frac{5}{8}y^2 - 5$

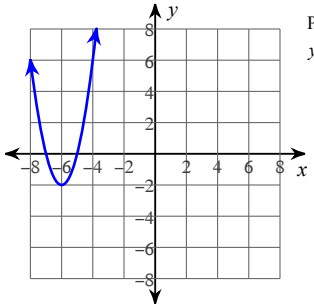
371)



Parabola

$y = (x + 3)^2 + 4$

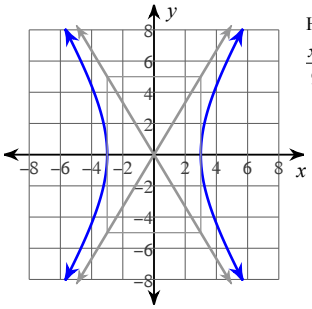
372)



Parabola

$y = 2(x + 6)^2 - 2$

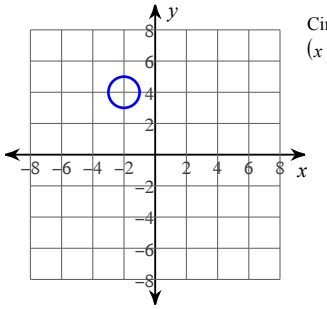
373)



Hyperbola

$\frac{x^2}{9} - \frac{y^2}{25} = 1$

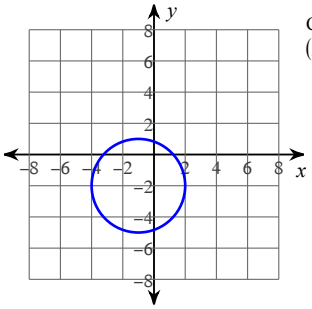
374)



Circle

$(x + 2)^2 + (y - 4)^2 = 1$

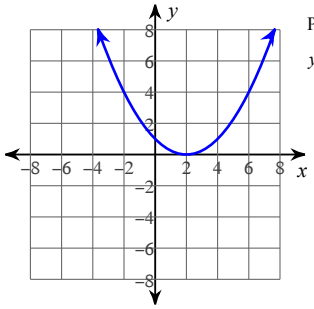
375)



Circle

$(x + 1)^2 + (y + 2)^2 = 9$

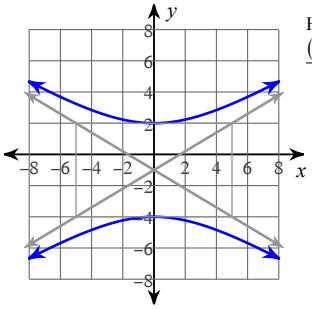
376)



Parabola

$y = \frac{1}{4}(x - 2)^2$

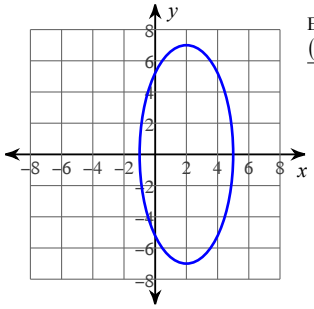
377)



Hyperbola

$\frac{(y + 1)^2}{9} - \frac{x^2}{25} = 1$

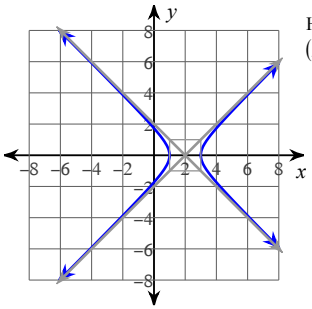
378)



Ellipse

$\frac{(x - 2)^2}{9} + \frac{y^2}{49} = 1$

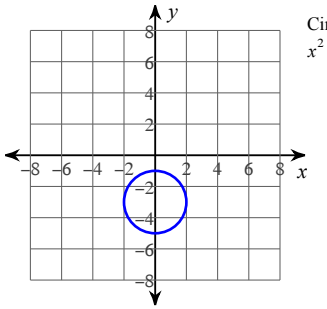
379)



Hyperbola

$(x - 2)^2 - y^2 = 1$

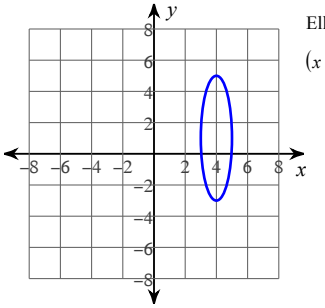
380)



Circle

$x^2 + (y + 3)^2 = 4$

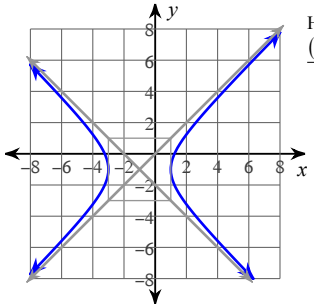
381)



Ellipse

$$(x-4)^2+\frac{(y-1)^2}{16}=1$$

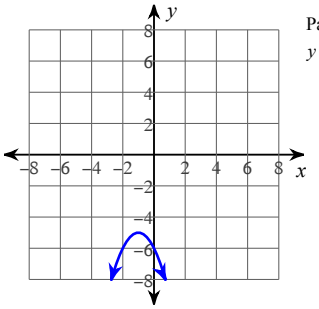
382)



Hyperbola

$$\frac{(x+1)^2}{4}-\frac{(y+1)^2}{4}=1$$

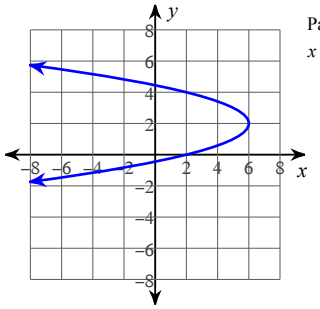
383)



Parabola

$$y=-(x+1)^2-5$$

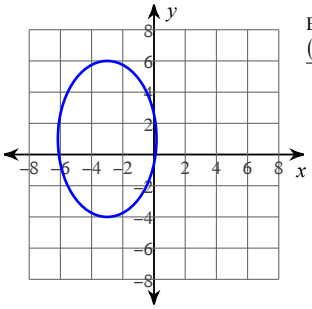
384)



Parabola

$$x=-(y-2)^2+6$$

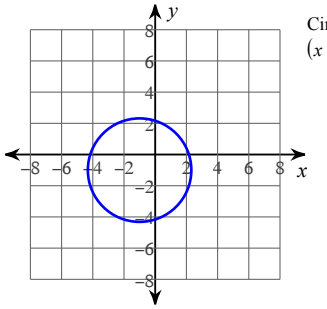
385)



Ellipse

$$\frac{(x+3)^2}{10}+\frac{(y-1)^2}{25}=1$$

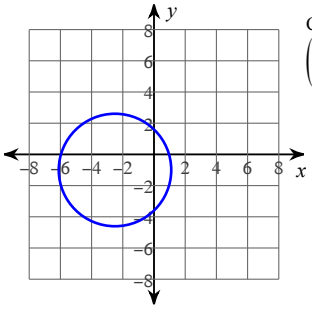
386)



Circle

$$(x+1)^2+(y+1)^2=11$$

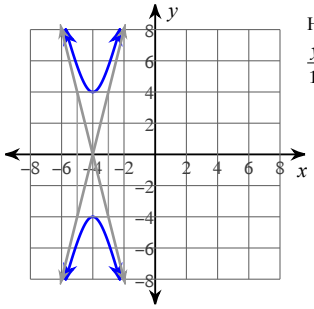
387)



Circle

$$\left(x+\frac{5}{2}\right)^2+(y+1)^2=13$$

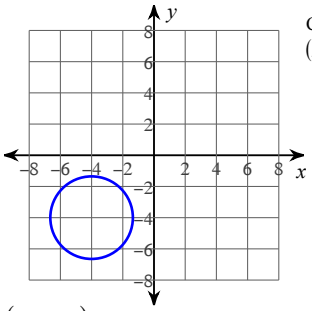
388)



Hyperbola

$$\frac{y^2}{16}-(x+4)^2=1$$

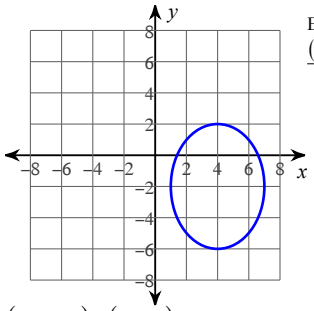
389)



Circle

$$(x+4)^2+(y+4)^2=7$$

390)



Ellipse

$$\frac{(x-4)^2}{9}+\frac{(y+2)^2}{16}=1$$

391) $(0, -4)$

392) $(-2, 4)$

393) $(0, -1), (0, 1)$

394) $(3, 5)$

395) $(10, 8), (10, 4)$

396) $(1, -3)$

397) $(0, -6), (0, -10), (-10, -6), (-10, -10)$

398) $(0, 4)$

399) $(-3, 1), (-7, 1)$

400) $(0, 6), (0, 2), (-2, 6), (-2, 2)$

401) $(-1, 7), (-2, 9), (-2, 5)$

402) $(-4, 2), (-6, 2), (-1, -2), (-9, -2)$

403) $(9, -2), (9, -4), (-1, 0), (-1, -6)$

404) $(-3, 5), (-5, 5), (2, -1), (-10, -1)$

405) No solution.

406) $(7, -2), (10, -8), (4, -8)$

407) $(-4, -9), (2, 6), (-10, 6)$

408) $(-2, -3), (5, -8), (-9, -8)$

409) $(4, 1)$

410) $(-1, -6), (3, -3), (3, -9)$

411) $(3, 7), (3, -1)$

412) $(7, -8), (9, 3), (5, 3)$

413) $(9, 2), (7, 2)$

414) $(5, -4), (5, -8), (0, -5), (0, -7)$
415) $(6, 1), (6, -3), (1, 5), (1, -7)$
416) $(-6, -3), (-6, -7), (-2, -4), (-2, -6)$
417) $(7, 3)$
418) $(-8, -3)$
419) $(4, -5), (-4, -5), (4, 4), (-4, 4)$
420) $(-2, 8), (-10, 8), (-5, -3), (-7, -3)$
421) $(4, 5), (-1, 5)$
422) $(-1, -8)$
423) $(-9, 4), (-1, 5), (-1, 3)$
424) $(6, -3)$
425) No solution.
426) No solution.
427) $(3, 2), (3, -6)$
428) $(9, 2), (9, -10), (8, -2), (8, -6)$
429) $(1, 1), (-7, 1), (4, -10), (-10, -10)$
430) $(6, -4), (-10, -4), (6, 9), (-10, 9)$
431) $(-2, 0)$
432) $(4, 6)$
433) $(-6, 5)$
434) $(-2, -4)$
435) $(1, 1), (7, 9), (-5, 9)$
436) $(-1, -6)$
437) $(-3, -6)$
438) $(-7, 5), (-7, -2)$
439) $(7, 10), (7, 2), (2, 10), (2, 2)$
440) $(6, -4), (-2, -4), (9, 0), (-5, 0)$
441) $(7, 0)$
442) $(0, 2), (5, -9), (-5, -9)$
443) $(-6, 1)$
444) $(-5, 7), (-7, 7)$
445) $(-5, -2), (-5, -8), (0, -3), (0, -7)$
446) No solution.
447) $(6, 5), (-8, 5)$
448) $(-2, 0), (-10, 0)$
449) $(-2, 6), (3, 7), (3, 5)$
450) $(2, -2), (5, 6), (5, -10)$