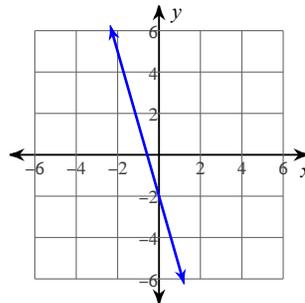
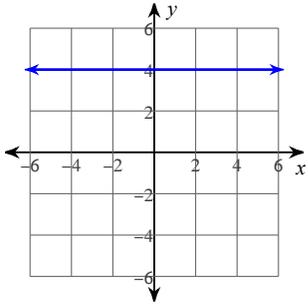


## Answers to

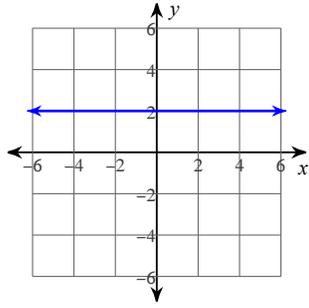
- |                                     |                                    |                                   |                                     |
|-------------------------------------|------------------------------------|-----------------------------------|-------------------------------------|
| 1) $\{11\}$                         | 2) $\{24\}$                        | 3) $\{-2\}$                       | 4) $\{19\}$                         |
| 5) $\{10\}$                         | 6) $\{-14\}$                       | 7) $\{-1\}$                       | 8) $\{15\}$                         |
| 9) $\{9\}$                          | 10) $\{6\}$                        | 11) $\{-18\}$                     | 12) $\{-1\}$                        |
| 13) $\{-17\}$                       | 14) $\{-21\}$                      | 15) $\{-23\}$                     | 16) $\{-16\}$                       |
| 17) $\{22\}$                        | 18) $\{11\}$                       | 19) $\{22\}$                      | 20) $\{-10\}$                       |
| 21) $\left\{\frac{9}{7}\right\}$    | 22) $\left\{-\frac{3}{2}\right\}$  | 23) $\left\{-\frac{2}{3}\right\}$ | 24) $\left\{\frac{3}{14}\right\}$   |
| 25) $\left\{\frac{145}{14}\right\}$ | 26) $\left\{\frac{11}{10}\right\}$ | 27) $\{-14\}$                     | 28) $\left\{-\frac{22}{15}\right\}$ |
| 29) $\left\{\frac{5}{19}\right\}$   | 30) $\left\{-\frac{3}{2}\right\}$  | 31) $\{0\}$                       | 32) $\{-1\}$                        |
| 33) $\{8\}$                         | 34) No solution.                   | 35) $\{-2\}$                      | 36) $\{-6\}$                        |
| 37) No solution.                    | 38) $\{2\}$                        | 39) $\{-8\}$                      | 40) $\{3\}$                         |
| 41) $\{-5\}$                        | 42) $\{3\}$                        | 43) $\{2\}$                       | 44) $\{1\}$                         |
| 45) $\{-7\}$                        | 46) $\{-1\}$                       | 47) $\{0\}$                       | 48) $\{3\}$                         |
| 49) $\{-1\}$                        | 50) $\{-7\}$                       | 51) $\left\{-\frac{4}{5}\right\}$ | 52) $\{1\}$                         |
| 53) $\{4\}$                         | 54) $\left\{\frac{5}{4}\right\}$   | 55) $\left\{\frac{7}{4}\right\}$  | 56) $\left\{-\frac{18}{5}\right\}$  |
| 57) $\{-3\}$                        | 58) $\left\{-\frac{7}{2}\right\}$  | 59) $\left\{-\frac{5}{2}\right\}$ | 60) $\left\{\frac{10}{3}\right\}$   |
| 61) $4(x-9)(x-2)$                   | 62) $(x-7)(x+1)$                   | 63) $(v-10)(v+8)$                 | 64) $5(a-10)(a+1)$                  |
| 65) $5(x^2+x-1)$                    | 66) $6b(b-5)$                      | 67) $6(n-4)(n+7)$                 | 68) $(r-10)(r+1)$                   |
| 69) $(x+9)(x+3)$                    | 70) $6(x-10)(x+2)$                 | 71) $5(2x-1)(x-4)$                | 72) Not factorable                  |
| 73) $4(2b+9)(b+7)$                  | 74) $n(3n-2)$                      | 75) $v(5v+7)$                     | 76) $(7p-4)(p-1)$                   |
| 77) $3(7v-1)(v+5)$                  | 78) $(5n-2)(n+3)$                  | 79) $(5p-3)(p+5)$                 | 80) $2(3n+10)(n+2)$                 |
| 81) $3(5a-2)(a-1)$                  | 82) $(7x-6)(x-8)$                  | 83) $(3x+4)(x-7)$                 | 84) $4(5m+2)(m-5)$                  |
| 85) $(7p+1)(p+5)$                   | 86) $2(3k-8)(k+7)$                 | 87) $2(5a-2)(a-10)$               | 88) $2(3m+7)(m+3)$                  |
| 89) $k(7k+8)$                       | 90) $(7v-2)(v+7)$                  | 91) $2n(2n+3)$                    | 92) $3x(3x-7)$                      |
| 93) $(4x-1)(2x-9)$                  | 94) $60v(v-9)$                     | 95) $5(a+3)(9a+10)$               | 96) $5(x-6)(6x+7)$                  |
| 97) $(v-5)(9v-4)$                   | 98) $(2b-1)(3b-2)$                 | 99) $2(n-6)(10n+7)$               | 100) $2(3x-4)(3x-1)$                |
| 101) $6(2b-9)(3b+8)$                | 102) $(3k+8)^2$                    | 103) Not factorable               | 104) $2x(2x-5)$                     |
| 105) $2(a+3)(9a-2)$                 | 106) $(x+9)(4x-3)$                 | 107) $3(5r+1)(2r-7)$              | 108) $2(3a+8)^2$                    |
| 109) $(a-6)(9a+10)$                 | 110) $3(r+10)(9r-5)$               | 111)                              |                                     |



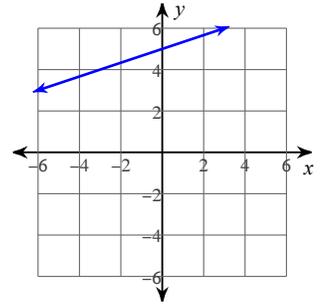
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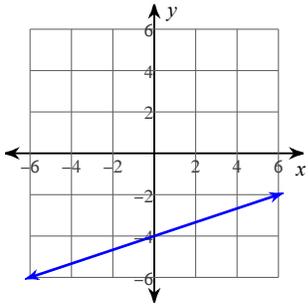
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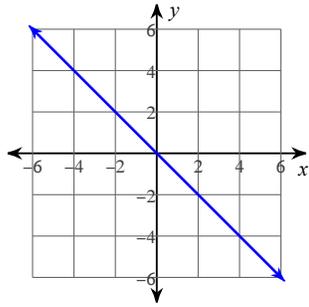
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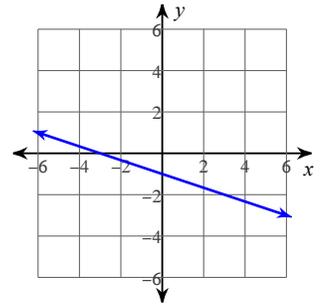
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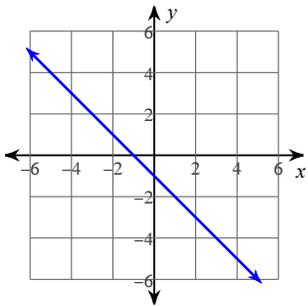
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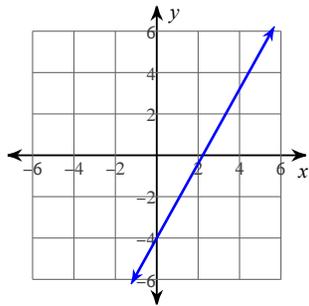
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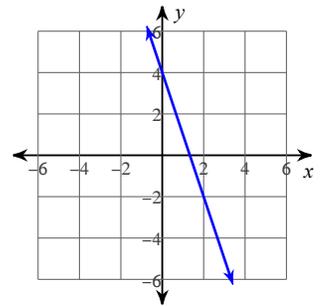
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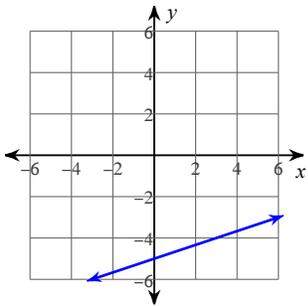
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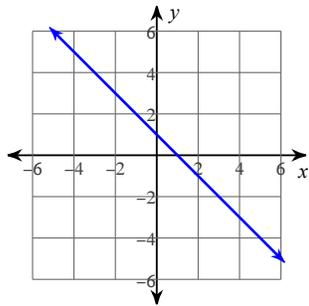
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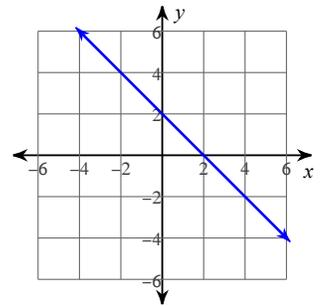
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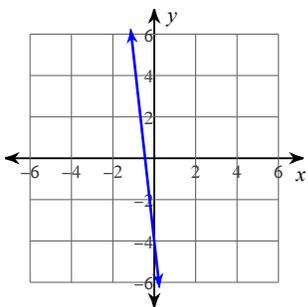
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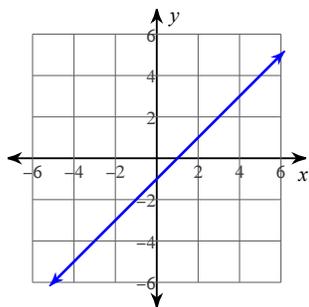
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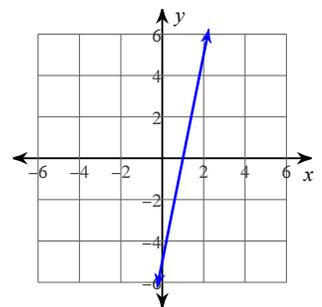
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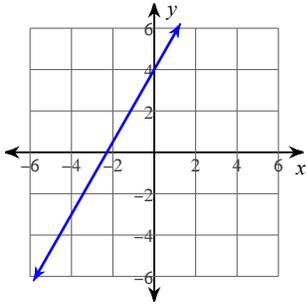
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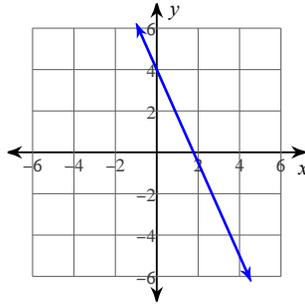
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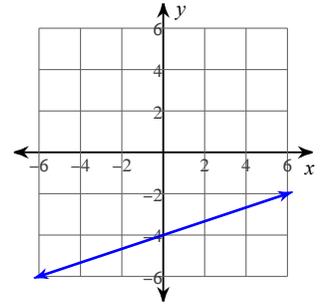
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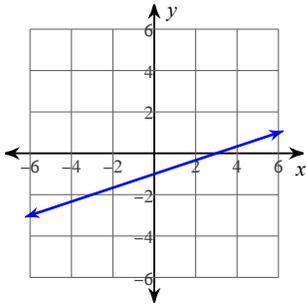
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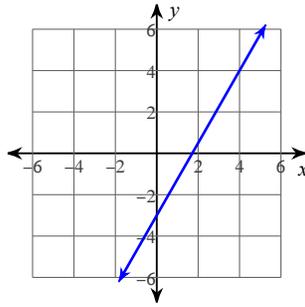
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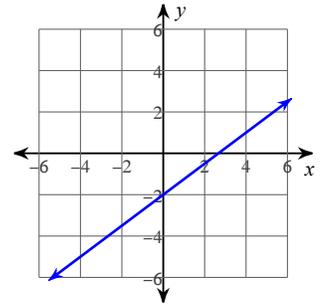
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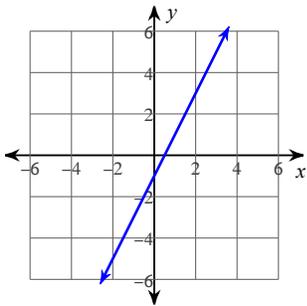
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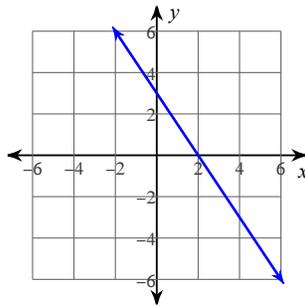
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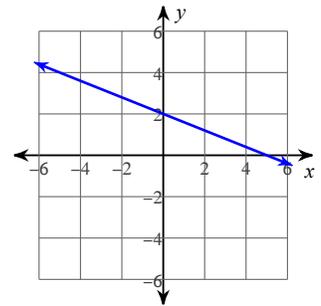
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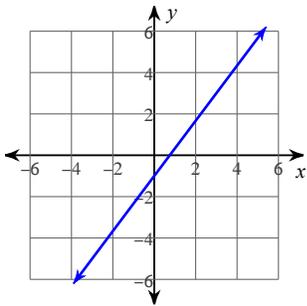
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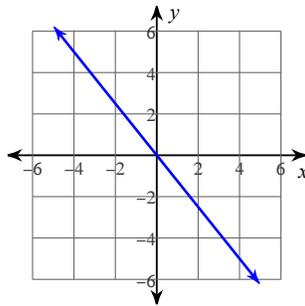
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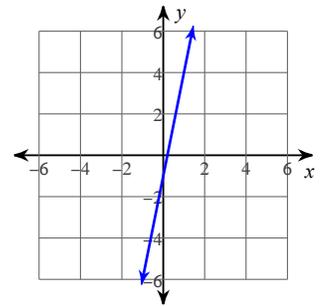
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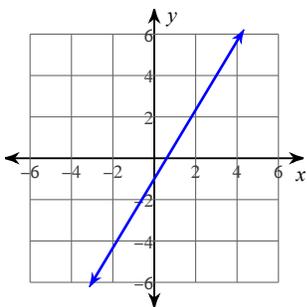
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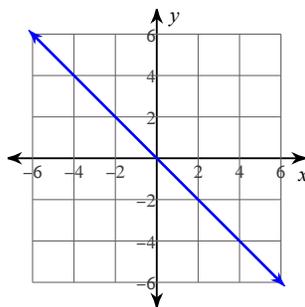
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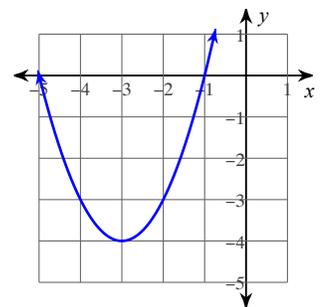
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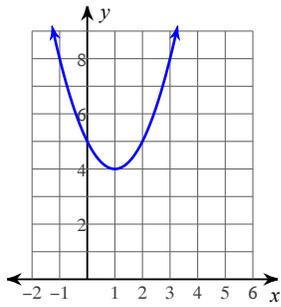
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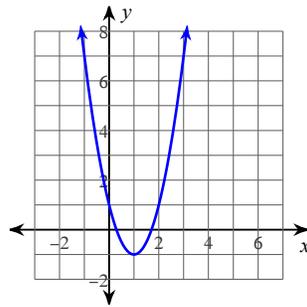
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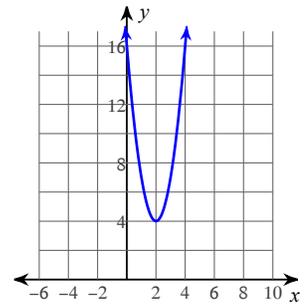
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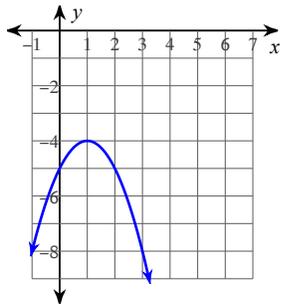
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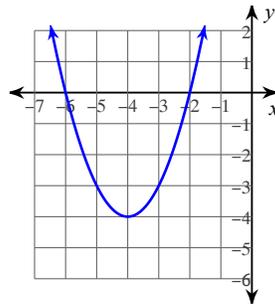
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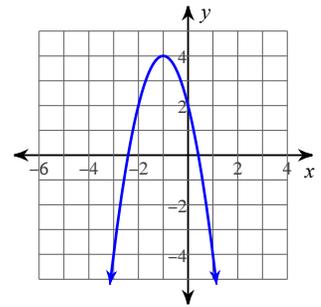
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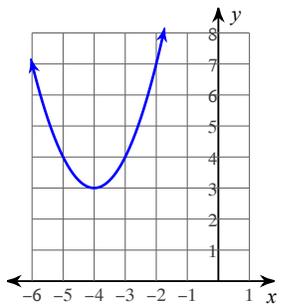
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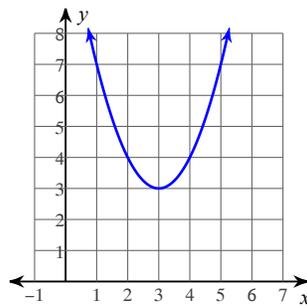
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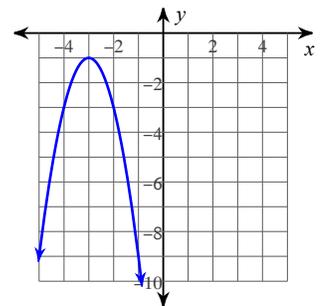
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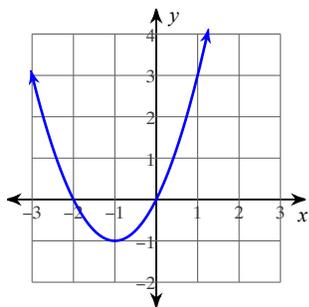
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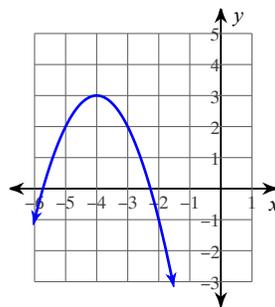
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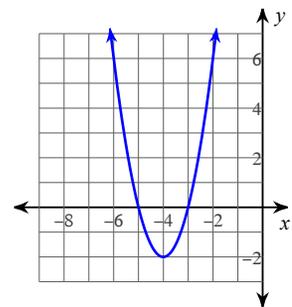
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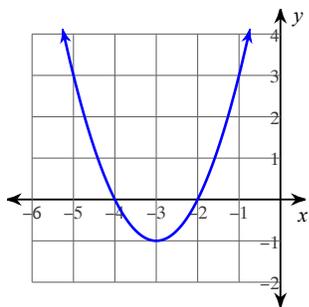
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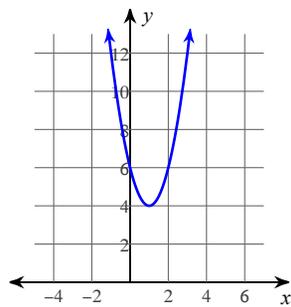
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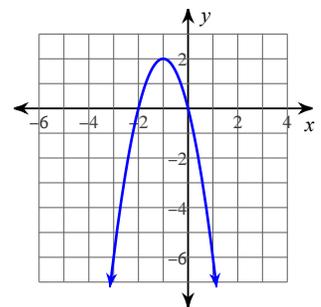
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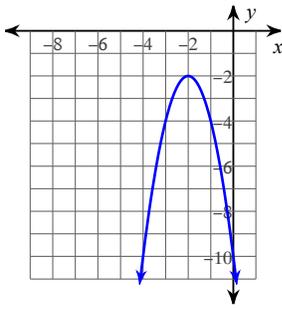
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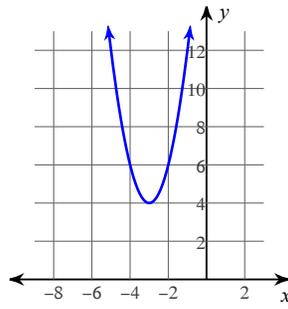
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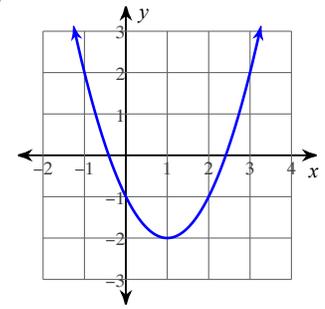
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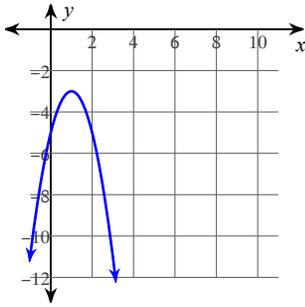
158)



159)



160)



161)  $2x + 2 + \frac{1}{x + 2}$

162)  $2x + 1 + \frac{1}{x - 2}$

163)  $3x + 1 + \frac{3}{x + 2}$

164)  $3x - 1 + \frac{1}{x + 2}$

165)  $3x - \frac{4}{x + 2}$

166)  $x + 4 - \frac{4}{x + 2}$

167)  $2x + 4 + \frac{2}{x + 2}$

168)  $x - 4 + \frac{2}{x - 2}$

169)  $2x + 3 + \frac{2}{x + 1}$

170)  $2x + 1 + \frac{3}{x + 2}$

171)  $2x^4 - x^3 - 3x^2 - 2x - 5 - \frac{7}{3x - 5}$

172)  $x + 5 - \frac{3}{4x + 3}$

173)  $2x - 1 - \frac{3}{x - 3}$

174)  $6x + 1 - \frac{2}{x + 2}$

175)  $7x - 2 + \frac{7}{x + 3}$

176)  $9x^3 - 2x^2 - 5x + 10 + \frac{4}{x + 1}$

177)  $x - 1 + \frac{9}{x - 5}$

178)  $6x^2 - 3x + 4 - \frac{4}{3x + 4}$

179)  $3x^3 + 6x^2 - 2x + 10 + \frac{9}{x - 2}$

180)  $3x - 1 + \frac{9}{5x + 5}$

181)  $3x^3 - x^2 - 5x + 2 + \frac{-15x^2 + 21x - 17}{10x^4 + 11x^2 + 10 - 12x}$

182)  $x^2 - 12 + \frac{23x + 5}{x^4 + x^3 - 2x^2 + 3x + 5}$

183)  $4x^3 - 5x^2 - 10x - 1 + \frac{20}{5x^3 - x^2 + 6x - 4}$

184)  $2x^4 - x^3 - 3x^2 + 6x - 6 + \frac{4x + 19}{3x^3 - 6 + 11x^2 - x}$

185)  $3x^2 - 5x - 4 + \frac{12x^2 + 7x - 16}{5x^4 - 11x^3 + 2x^2 + 6x - 3}$

186)  $5x^2 - 8x + 3 + \frac{-21x^2 + 12x - 19}{x^4 - 3x^3 - 9x^2 - 12x - 5}$

187)  $6x^3 + 7x^2 + 2x + 6 + \frac{-4x^3 - 19x^2 - 12x - 7}{x^4 - 7 - 3x + 6x^2}$

188)  $3x^2 + 4x - 5 - \frac{8}{x^4 + 10x^3 + 3x^2 - 8}$

189)  $x^2 + 2x - 2 - \frac{7}{2x^4 + 2x^2 - 10x - 9}$

190)  $4x^2 + 2x + 2 + \frac{-14x^3 + 15x^2 + 6x - 23}{-11x^3 + 3x^4 - 6 - 5x}$

191)  $\frac{2}{x + 2} - \frac{1}{x - 2}$

192)  $-\frac{1}{x + 4} + \frac{4}{x + 3}$

193)  $-\frac{7}{x} + \frac{4}{x + 4}$

194)  $\frac{3}{x} + \frac{5}{x + 2}$

195)  $-\frac{3}{x} - \frac{5}{x + 2}$

196)  $-\frac{4}{x + 5} + \frac{6}{x - 2}$

197)  $\frac{1}{x - 3} + \frac{4}{x - 1}$

198)  $\frac{6}{x} + \frac{5}{x + 2}$

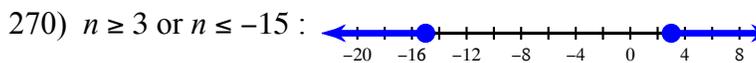
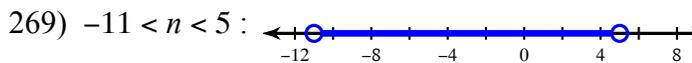
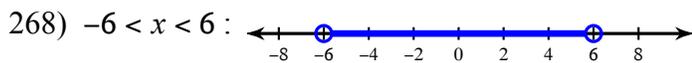
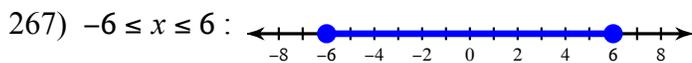
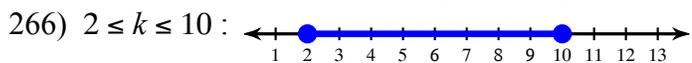
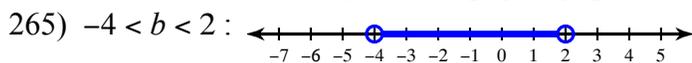
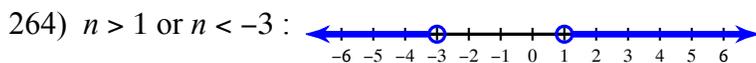
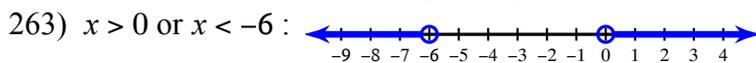
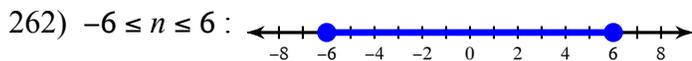
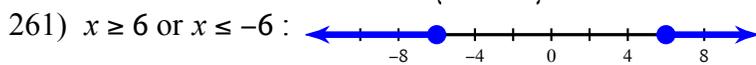
199)  $\frac{1}{x} - \frac{7}{x + 2}$

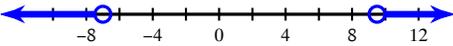
200)  $-\frac{4}{x} + \frac{2}{x - 2}$

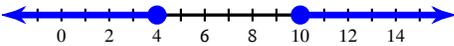
201)  $\frac{3}{x - 1} - \frac{4}{(x - 1)^2}$

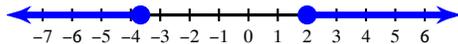
202)  $\frac{1}{x} - \frac{4}{x - 3}$

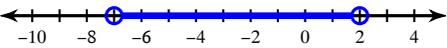
- 203)  $-1 + \frac{3}{2x-5} + \frac{1}{(2x-5)^2}$       204)  $-1 - \frac{7}{x} - \frac{3}{x-3}$       205)  $2 + \frac{3}{x} - \frac{7}{x-5}$
- 206)  $-2 + \frac{3}{x} + \frac{2}{x+3}$       207)  $-1 - \frac{4}{x-5} - \frac{1}{x+3}$       208)  $\frac{1}{x-4} + \frac{2}{(x-4)^2}$
- 209)  $\frac{1}{x+1} - \frac{5}{x-1}$       210)  $\frac{2}{x-1} - \frac{4}{(x-1)^2}$       211)  $\frac{7}{x} + \frac{3}{x-2}$       212)  $\frac{2}{x-1} - \frac{3}{(x-1)^2}$
- 213)  $1 - \frac{1}{x-4} - \frac{7}{x+4}$       214)  $\frac{5}{x-1} - \frac{3}{(x-1)^2}$       215)  $2 - \frac{6}{x} + \frac{3}{2x+5}$       216)  $\frac{3}{x-1} - \frac{2}{x+5}$
- 217)  $-2 + \frac{3}{x+2} + \frac{4}{(x+2)^2}$       218)  $\frac{7}{2x-3} - \frac{5}{(2x-3)^2}$       219)  $2 + \frac{4}{x-1} - \frac{5}{(x-1)^2}$
- 220)  $-2 - \frac{3}{x-2} - \frac{1}{(x-2)^2}$       221)  $\{6, 0\}$       222)  $\{6, -6\}$
- 223)  $\{2, -2\}$       224)  $\{18, -18\}$       225)  $\{12, -12\}$       226)  $\{11, 1\}$
- 227)  $\{12, -12\}$       228)  $\{-4, 4\}$       229)  $\{6, 4\}$       230)  $\{6, -12\}$
- 231)  $\left\{-7, \frac{41}{5}\right\}$       232)  $\left\{-\frac{37}{5}, 7\right\}$       233)  $\left\{-10, \frac{53}{5}\right\}$       234)  $\left\{-\frac{41}{7}, 7\right\}$
- 235)  $\{4, -12\}$       236)  $\left\{4, -\frac{9}{2}\right\}$       237)  $\left\{\frac{10}{3}, 2\right\}$       238)  $\{3, -19\}$
- 239)  $\left\{9, -\frac{17}{2}\right\}$       240)  $\{6, 1\}$       241)  $\{10, -3\}$       242)  $\left\{6, -\frac{36}{5}\right\}$
- 243)  $\left\{-\frac{1}{9}, -1\right\}$       244)  $\{1, -2\}$       245)  $\{9, -5\}$       246) No solution.
- 247)  $\left\{-1, -\frac{5}{4}\right\}$       248)  $\{-8\}$       249)  $\{3, -5\}$       250) No solution.
- 251) No solution.      252)  $\left\{1, -\frac{7}{2}\right\}$       253)  $\left\{-\frac{5}{3}, -3\right\}$       254)  $\left\{\frac{1}{7}, -3\right\}$
- 255)  $\{2, 0\}$       256)  $\{3, -17\}$       257) No solution.      258)  $\left\{-\frac{2}{9}, -2\right\}$
- 259) No solution.      260)  $\left\{-\frac{16}{9}, 0\right\}$

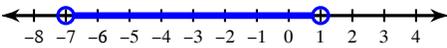


271)  $x < -7$  or  $x > \frac{19}{2}$  : 

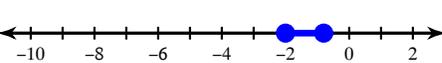
272)  $x \leq 4$  or  $x \geq 10$  : 

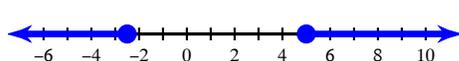
273)  $b \leq -\frac{11}{3}$  or  $b \geq 2$  : 

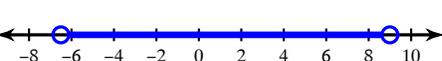
274)  $-7 < v < 2$  : 

275)  $-7 < b < 1$  : 

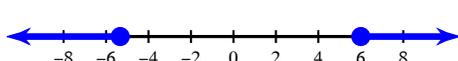
276) { All real numbers. } : 

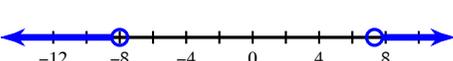
277)  $-2 \leq a \leq -\frac{4}{5}$  : 

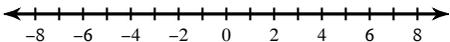
278)  $r \leq -\frac{5}{2}$  or  $r \geq 5$  : 

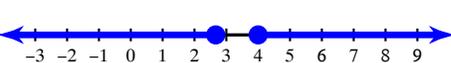
279)  $-\frac{13}{2} < x < 9$  : 

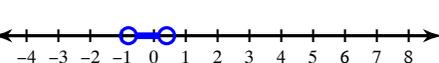
280)  $-1 \leq b \leq \frac{13}{3}$  : 

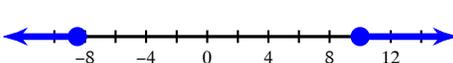
281)  $x \geq 6$  or  $x \leq -\frac{16}{3}$  : 

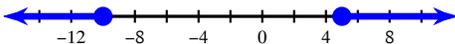
282)  $n < -8$  or  $n > \frac{22}{3}$  : 

283) No solution. : 

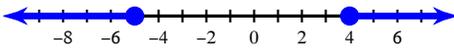
284)  $n \geq 4$  or  $n \leq \frac{8}{3}$  : 

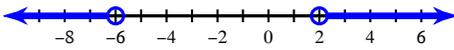
285)  $-\frac{4}{5} < n < \frac{2}{5}$  : 

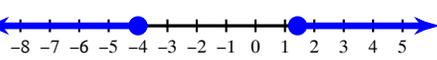
286)  $k \geq 10$  or  $k \leq -\frac{17}{2}$  : 

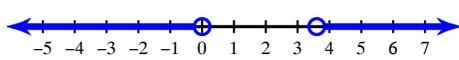
287)  $a \leq -10$  or  $a \geq 5$  : 

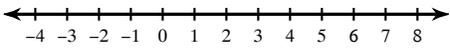
288)  $-20 \leq x \leq 16$  : 

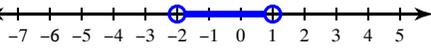
289)  $x \geq 4$  or  $x \leq -5$  : 

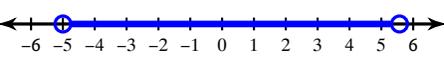
290)  $x > 2$  or  $x < -6$  : 

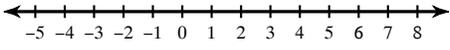
291)  $x \geq \frac{10}{7}$  or  $x \leq -4$  : 

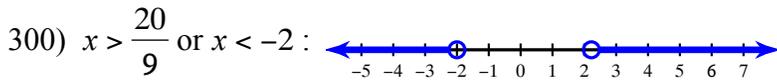
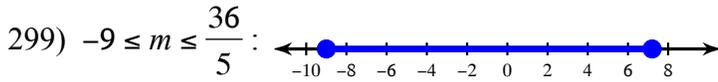
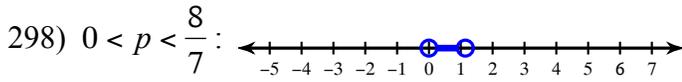
292)  $x < 0$  or  $x > \frac{18}{5}$  : 

293) No solution. : 

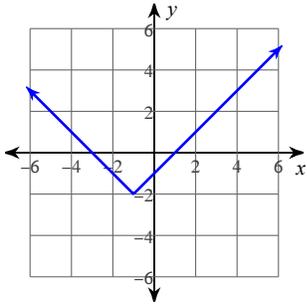
294)  $-2 < n < 1$  : 

295)  $-5 < x < \frac{39}{7}$  : 

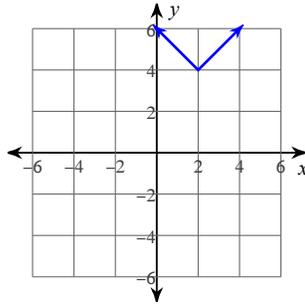
296) No solution. : 



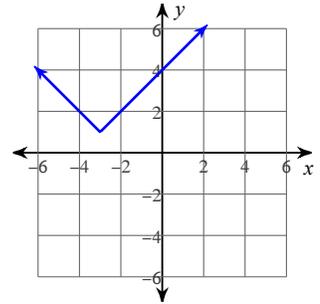
301)



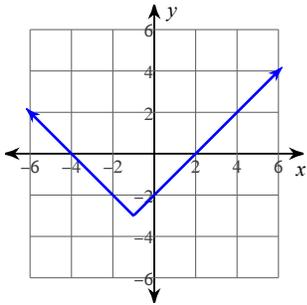
302)



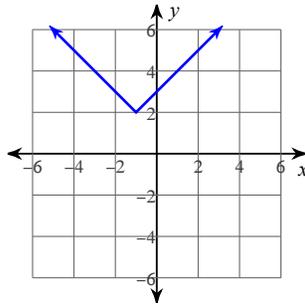
303)



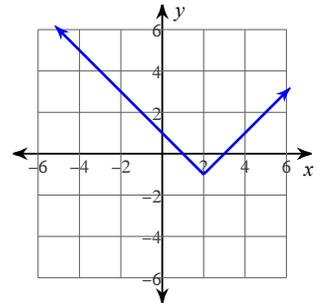
304)



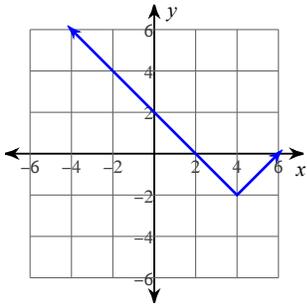
305)



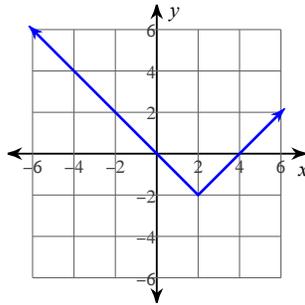
306)



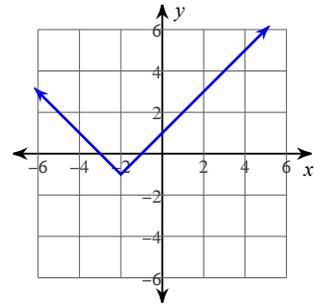
307)



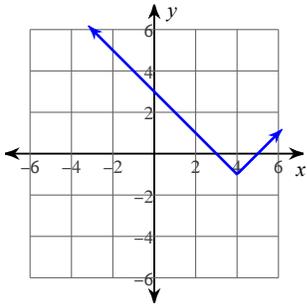
308)



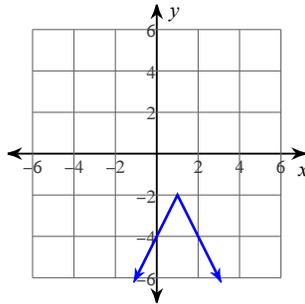
309)



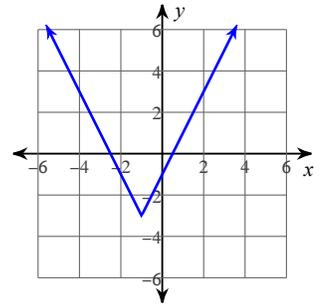
310)



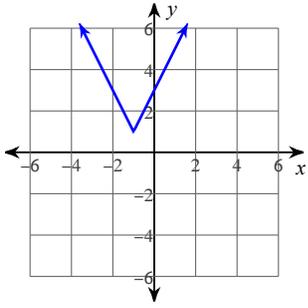
311)



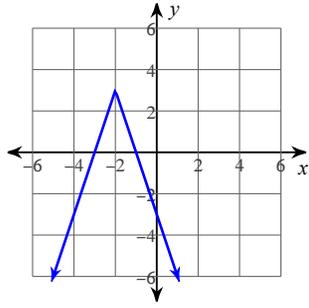
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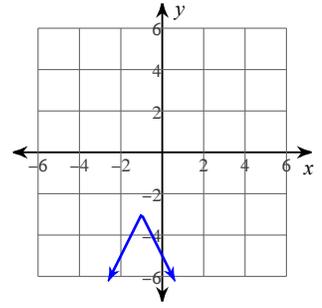
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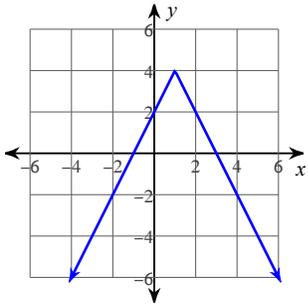
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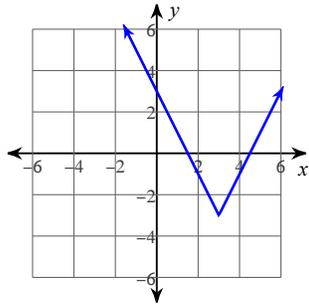
315)



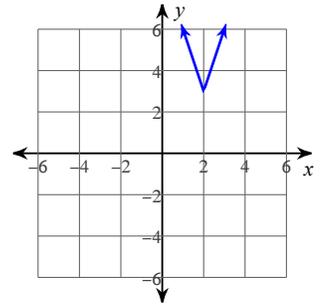
316)



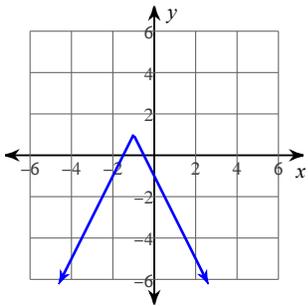
317)



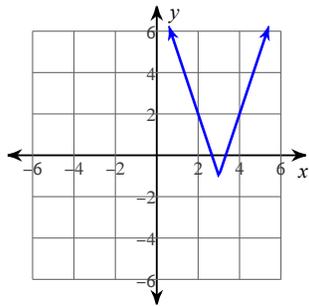
318)



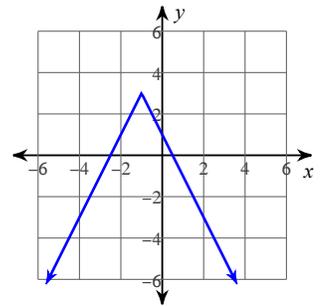
319)



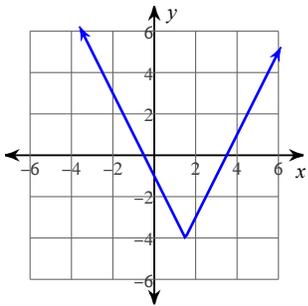
320)



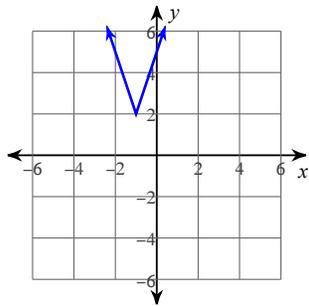
321)



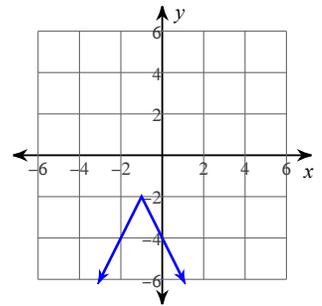
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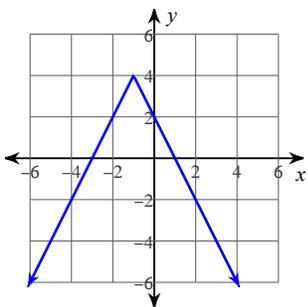
323)



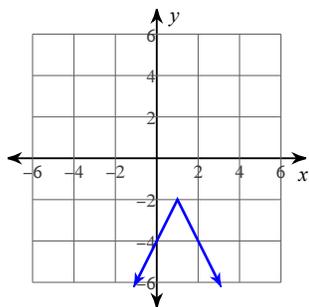
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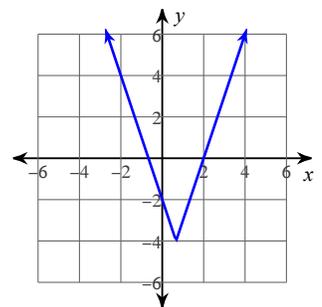
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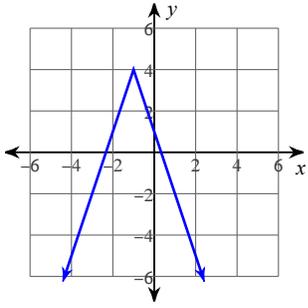
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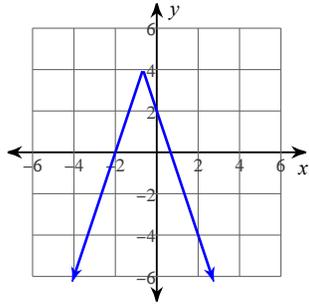
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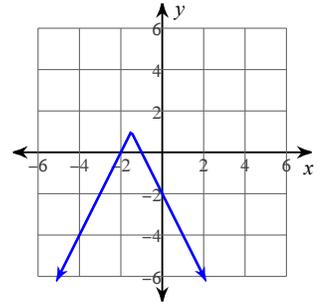
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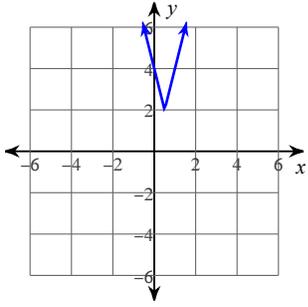
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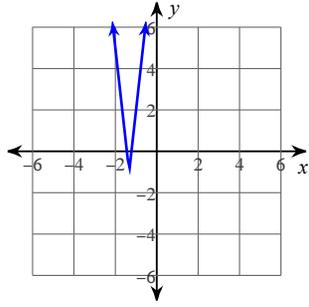
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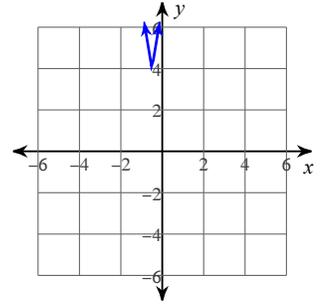
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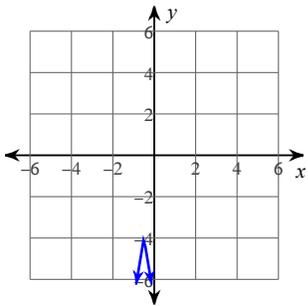
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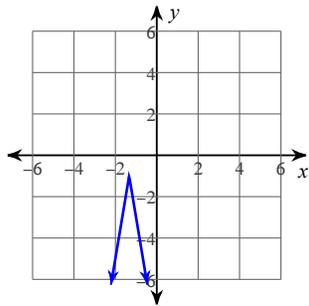
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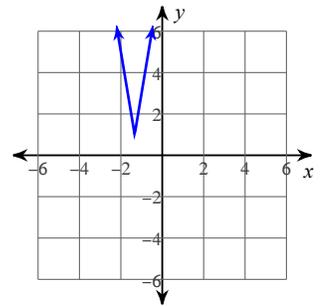
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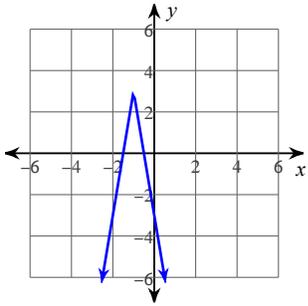
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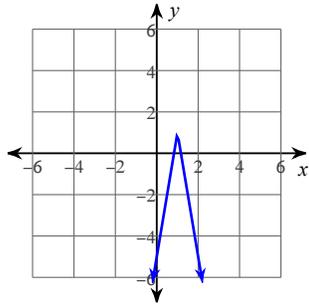
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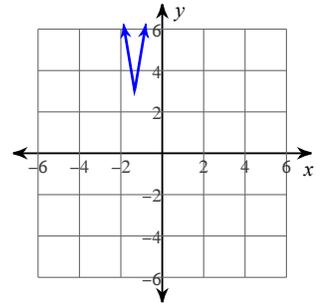
337)



338)



339)



340)

