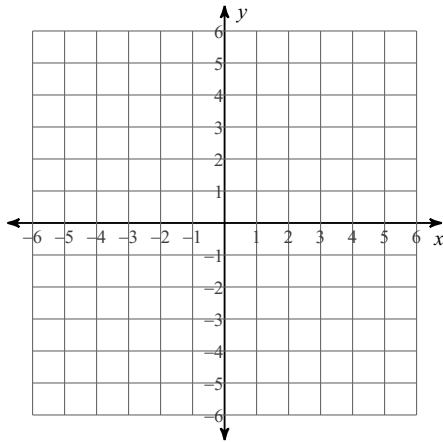


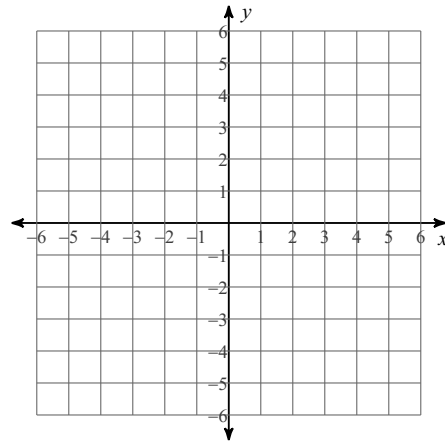
Summer Work

Sketch the graph of each line.

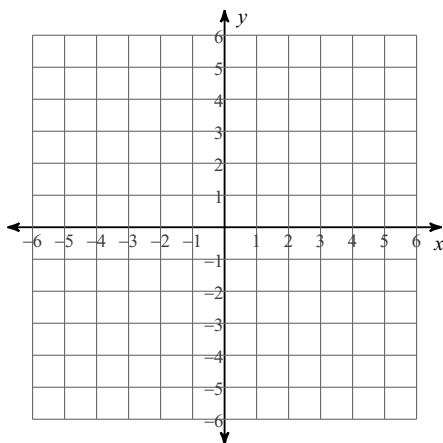
1)  $5x + 3y = -9$



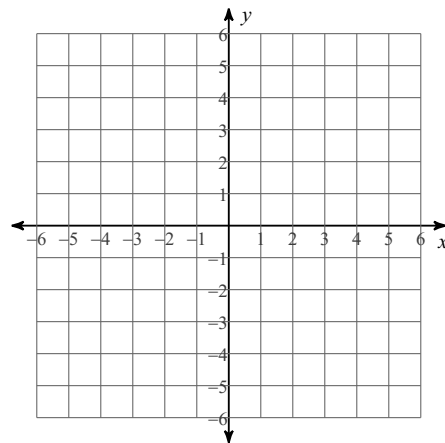
2)  $x - 4y = 12$



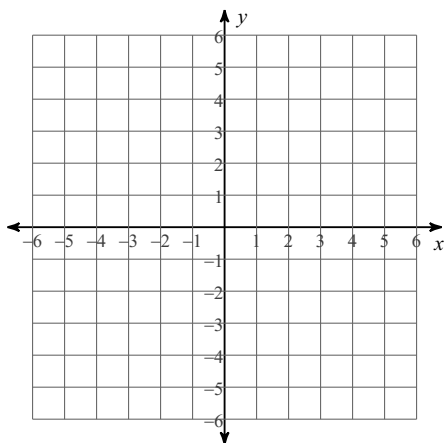
3)  $y = \frac{1}{5}x - 4$



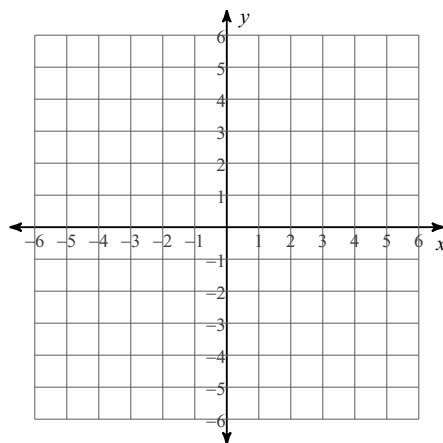
4)  $y = 9x - 5$



5)  $4 - y = 0$

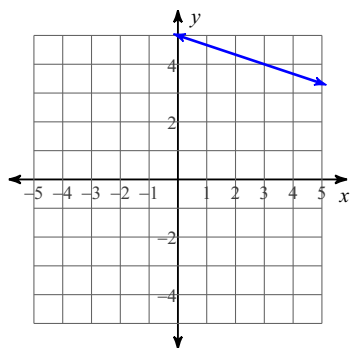


6)  $y = -1 - 2x$

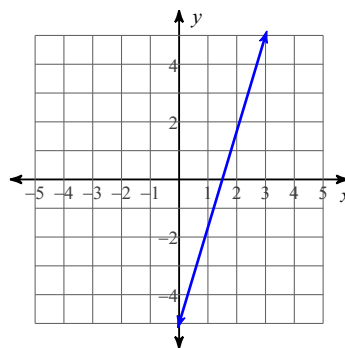


**Write the slope-intercept form of the equation of each line.**

7)



8)



**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

9) through:  $(5, 2)$ , slope =  $\frac{7}{5}$

10) through:  $(-1, 3)$ , slope = 2

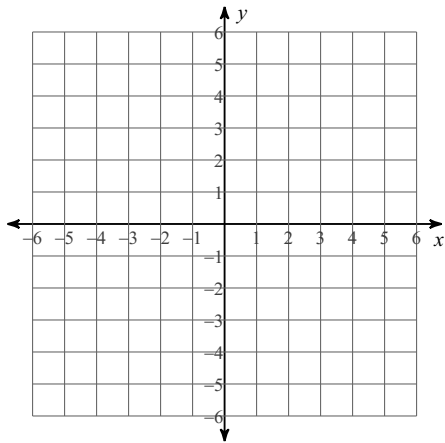
**Write the standard form of the equation of the line described.**

11) through:  $(-5, 4)$ , perp. to  $y = x + 4$

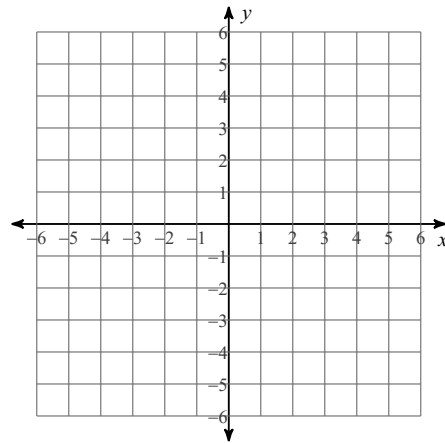
12) through:  $(-3, -1)$ , perp. to  $y = -x + 4$

Sketch the graph of each linear inequality.

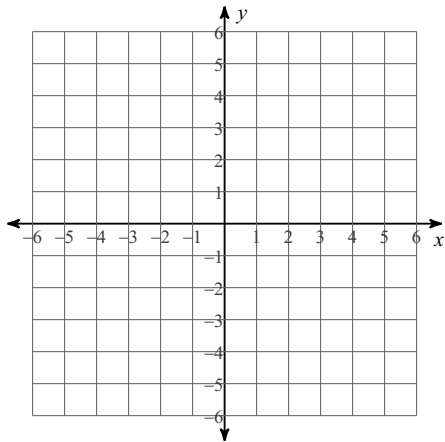
13)  $y \leq -\frac{5}{2}x + 5$



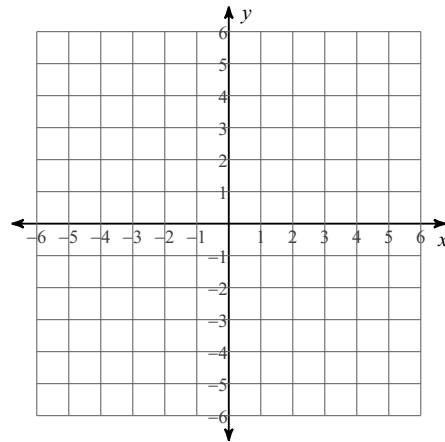
14)  $y \geq \frac{5}{4}x + 4$



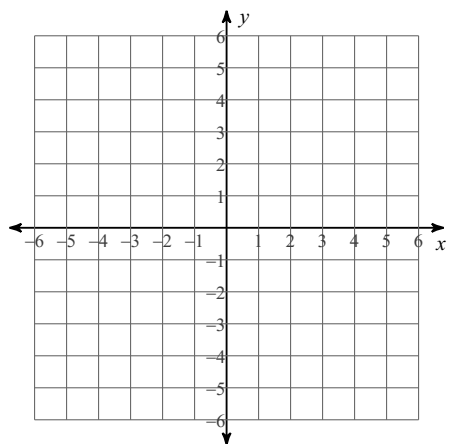
15)  $y \leq -3x - 2$



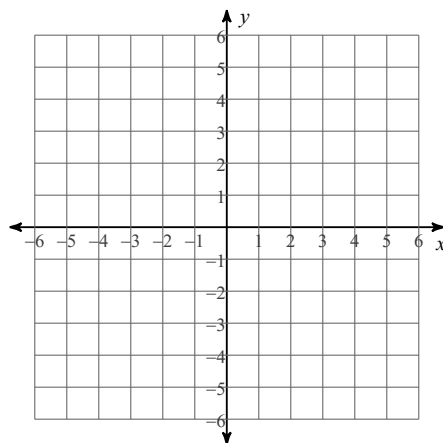
16)  $y \leq 9x - 4$



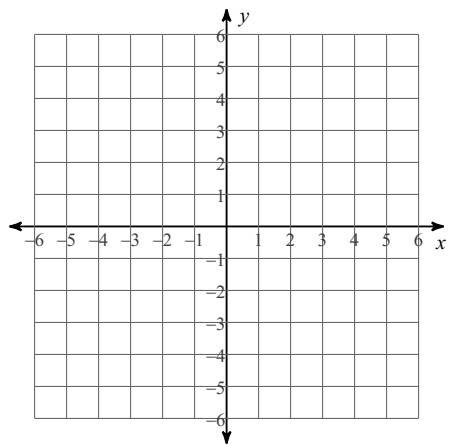
$$17) y < -\frac{4}{5}x - 1$$



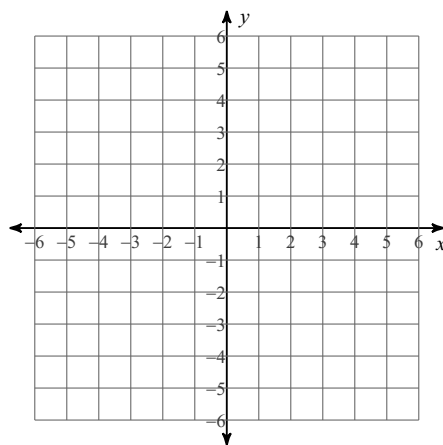
$$18) y \leq -x$$



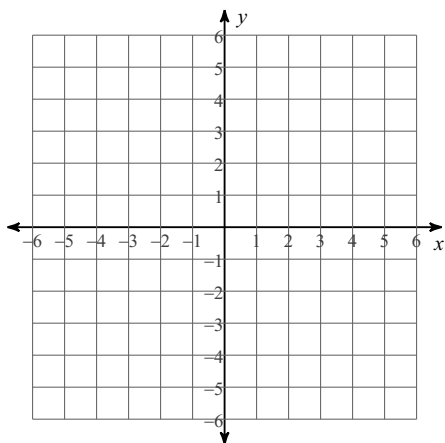
$$19) y < -x + 1$$



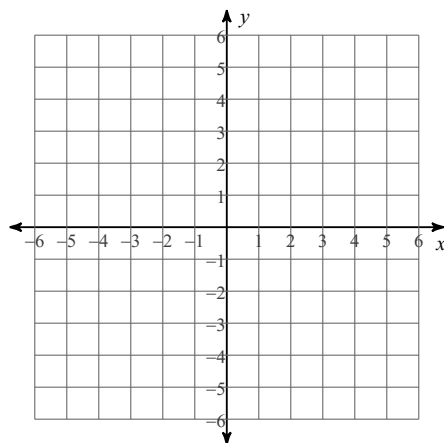
$$20) y \geq \frac{9}{2}x - 4$$



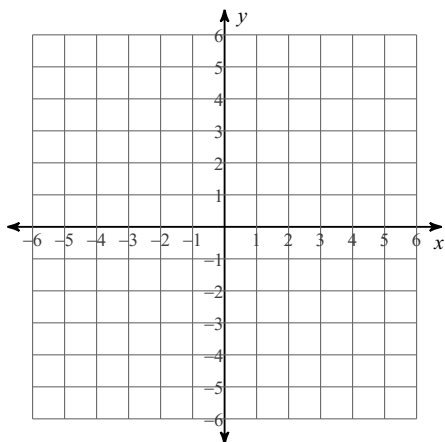
21)  $3x - 4y \leq 12$



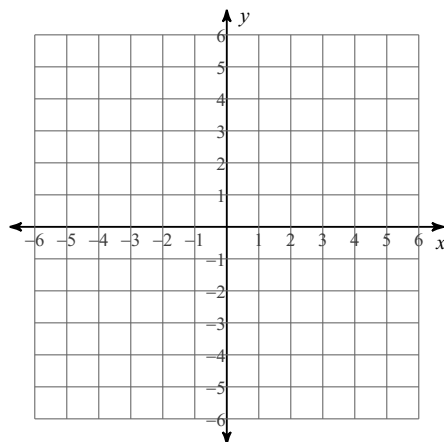
22)  $3x + y \leq 2$



23)  $5x + y < 3$



24)  $y \geq -1$



**Solve each system by elimination.**

25)  $10x + 2y = 4$   
 $-20x - y = -2$

**Solve each system by substitution.**

$$\begin{aligned} 26) \quad & 8x - 5y = 24 \\ & x - 2y = 3 \end{aligned}$$

**Factor each completely.**

$$27) \quad 14v^3 + 8v^2 - 49v - 28$$

$$28) \quad 56r^3 - 35r^2 + 64r - 40$$

$$29) \quad 25xy + 15x + 20y + 12$$

$$30) \quad 60uv + 80u + 105v + 140$$

$$31) \quad 15x^3 - 9x^2 + 10x - 6$$

$$32) \quad 40b^3 + 8b^2 + 60b + 12$$

$$33) \quad r^2 - 10r + 25$$

$$34) \quad k^2 - 4$$

$$35) \quad b^4 - 9$$

$$36) \quad n^4 - 10n^2 + 25$$

$$37) \quad x^6 - 8x^3 + 16$$

$$38) \quad a^6 - 9$$

$$39) \quad 2x^6 - 72$$

$$40) \quad 5x^6 + 20x^3 - 60$$

$$41) \quad 4x^8 + 10x^4 + 6$$

$$42) \quad -5x^6 - 19x^3 - 12$$

$$43) \quad -15m^6 - 14m^3 + 49$$

$$44) \quad -6x^6 - 29x^3 - 30$$

**Factor each.**

$$45) \quad x^8 - 25x^4 + 144 = 0$$

$$46) \quad x^6 + 63x^3 - 64 = 0$$

$$47) \quad x^6 - 1 = 0$$

$$48) \quad x^8 - 34x^4 + 225 = 0$$

$$49) \quad 9x^8 - 85x^4 + 36 = 0$$

$$50) \quad 25x^8 - 226x^4 + 9 = 0$$

$$51) \quad 16x^8 - 169x^4 + 225 = 0$$

$$52) \quad 9x^8 - 229x^4 + 100 = 0$$

$$53) \quad -64x^3 + 27 = 0$$

$$54) \quad 6x^4 + x^2 - 40 = 0$$

55)  $15x^3 - 3x^2 + 25x - 5 = 0$

56)  $25x^4 - 45x^2 + 18 = 0$

57)  $9x^6 - 9x^4 - x^2 + 1 = 0$

58)  $4x^6 - 3x^4 - 16x^2 + 12 = 0$

59)  $2x^2 - 9x - 5 = 0$

60)  $25x^8 - 109x^4 + 36 = 0$

61)  $x^6 - 4x^4 - 9x^2 + 36 = 0$

62)  $x^8 - 10x^4 + 9 = 0$

63)  $x^8 - 29x^4 + 100 = 0$

64)  $x^2 + 9x + 20 = 0$

**Solve each equation by factoring.**

65)  $n^2 - 3n = 18$

66)  $m^2 = 9m - 14$

67)  $x^2 = 21 - 4x$

68)  $p^2 + 4p = 0$

69)  $x^2 = -8x$

70)  $n^2 + 9n = -18$

71)  $v^2 = -3v + 18$

72)  $x^2 = x + 12$

73)  $n^2 - 24 = 5n$

74)  $b^2 + 7b = -12$

75)  $5x^2 - 40x = -60$

76)  $5n^2 + 35n = -50$

77)  $8a^2 = 8$

78)  $n^2 + 11n = -28$

79)  $-3 + 8b = -7b^2 + 3b - 1$

80)  $-3n^2 + 45n + 42 = 8n - 8n^2$

81)  $15v^2 - 46v - 10 = 7v^2 + 2$

82)  $7r = 40 - 3r^2$

83)  $9n^2 - 35n + 44 = 3n^2 - 5$

**Find the discriminant of each quadratic equation then state the number and type of solutions.**

84)  $5b^2 - 2b - 7 = 0$

85)  $-10n^2 + 10n - 3 = 0$

86)  $10x^2 + 3x + 8 = 0$

87)  $-3v^2 - 4v - 9 = 0$

88)  $-9p^2 - 6p - 1 = 0$

**Solve each equation by completing the square.**

89)  $x^2 - 20x + 72 = -5$

90)  $a^2 + 14a - 62 = 2$

91)  $b^2 - 6b + 9 = 6$

92)  $x^2 - 18x + 47 = -4$

93)  $n^2 + 4n - 68 = 9$

**Solve each equation by taking square roots.**

94)  $9k^2 - 7 = 18$

95)  $9n^2 - 8 = -4$

96)  $7n^2 - 8 = 517$

97)  $2x^2 - 7 = 169$

98)  $4n^2 + 4 = 8$

**Solve each equation with the quadratic formula.**

99)  $9b^2 = 8$

100)  $6x^2 = -6 - 3x$

101)  $3p^2 = 70 - p$

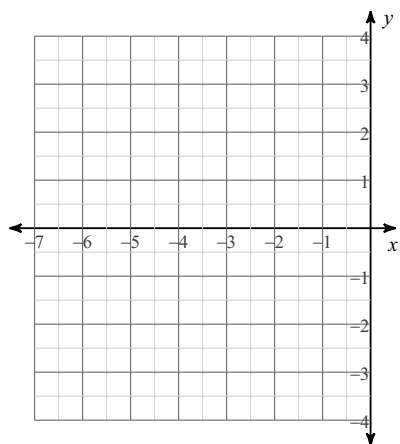
102)  $10r^2 + 2 = 0$



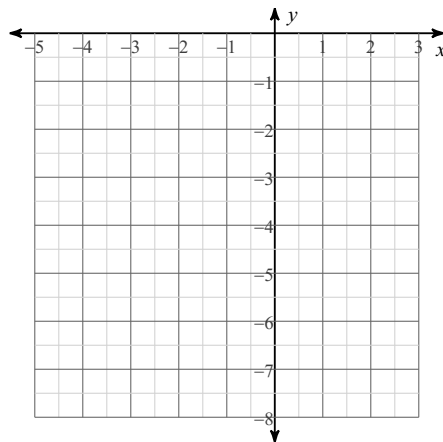
$$103) 3b^2 - 13 = -4b$$

Sketch the graph of each function.

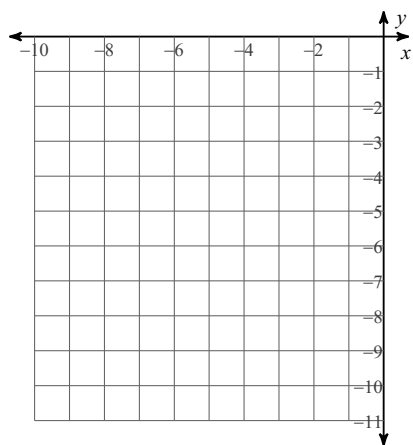
$$104) y = -\frac{1}{2}(x + 4)^2 + 1$$



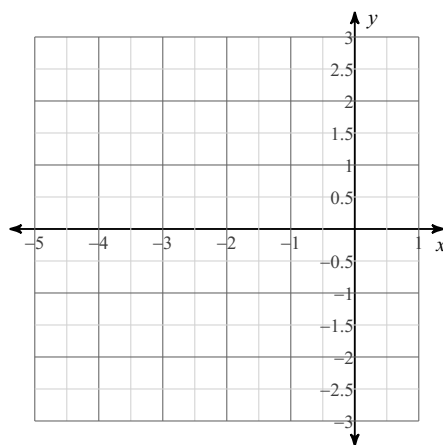
$$105) y = -(x + 3)^2 - 3$$



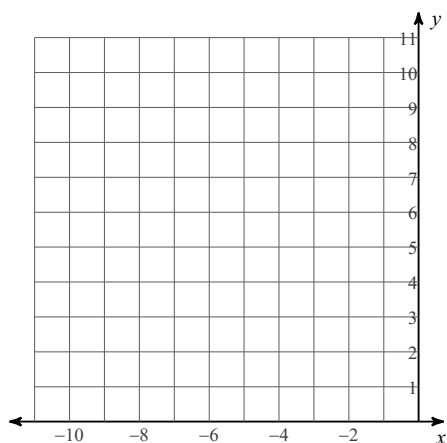
$$106) y = -2(x + 3)^2 - 2$$



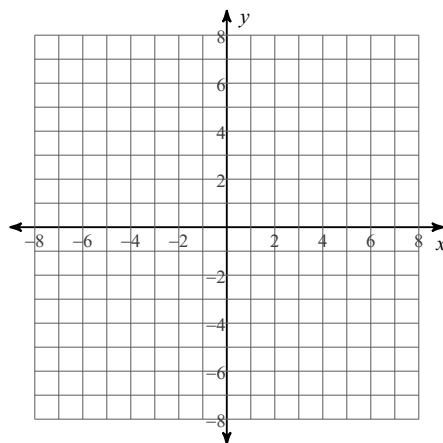
$$107) y = -(x + 3)^2 + 2$$



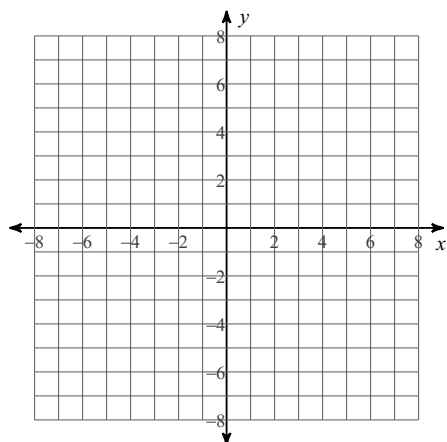
$$108) y = 2(x + 4)^2 + 2$$



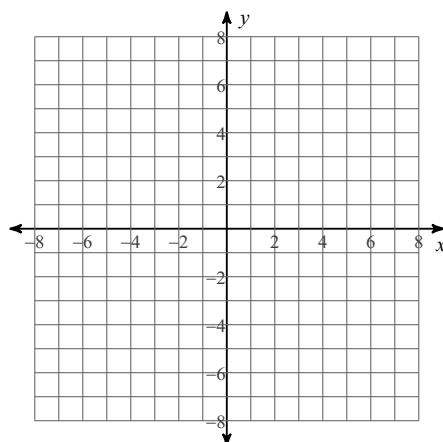
$$109) f(x) = x^3 - x^2 - 2$$



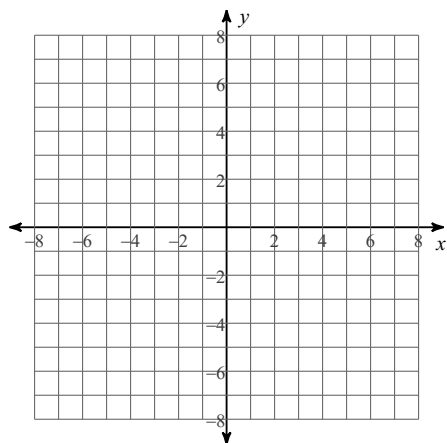
$$110) f(x) = -x^4 + 4x^2 - 4$$



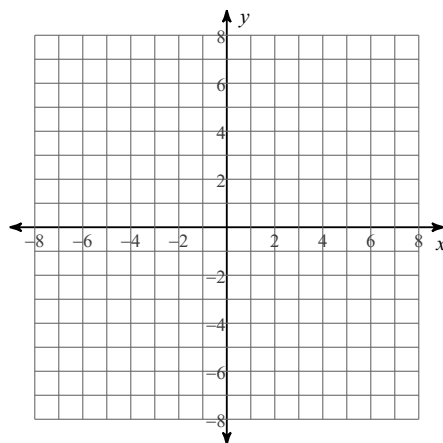
$$111) y = 2 + \sqrt{x}$$



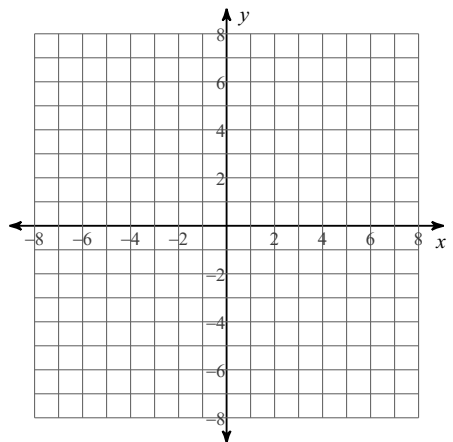
$$112) y = 4\sqrt{x - 3}$$



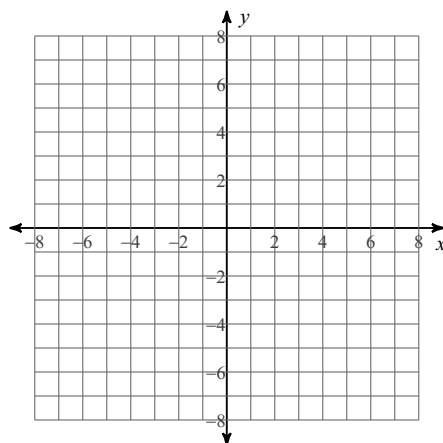
$$113) y = \sqrt{x - 4} + 3$$



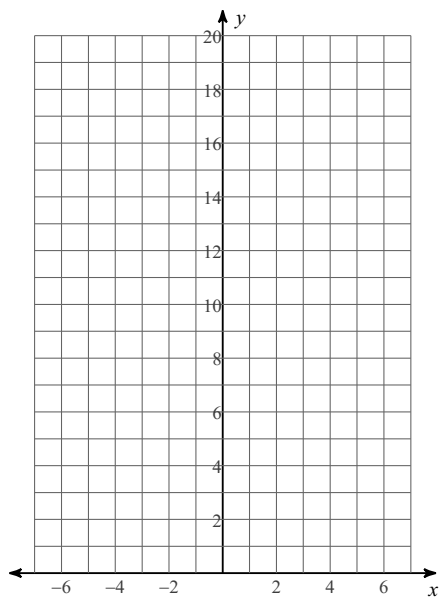
$$114) y = \frac{3}{4}\sqrt{x}$$



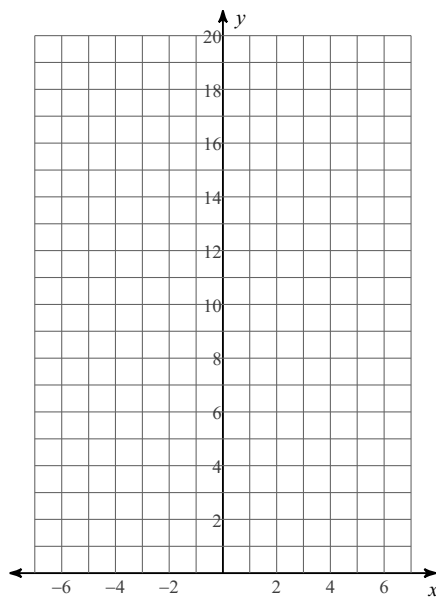
$$115) y = \sqrt{x}$$



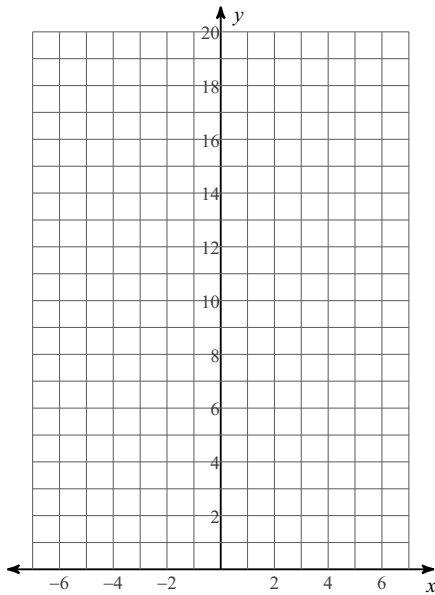
$$116) y = \frac{1}{3} \cdot 6^x$$



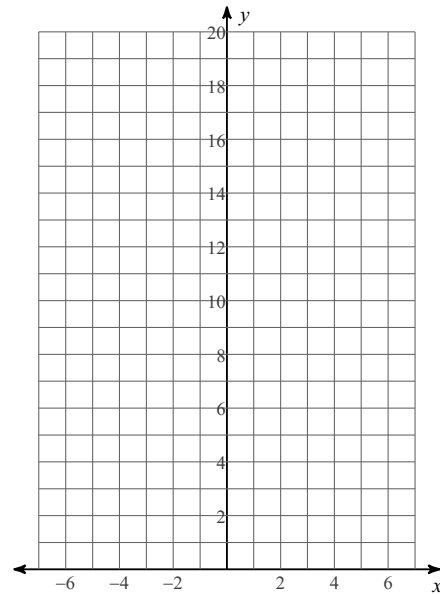
$$117) y = \frac{1}{4} \cdot 2^x$$



118)  $y = 5 \cdot 2^x$



119)  $y = 3 \cdot 2^x$



**Find each product.**

120)  $(3k - 5)(5k - 4)$

121)  $(2b + 4)(5b - 5)$

122)  $(3p + 7)^2$

123)  $(7n - 2)(7n + 2)$

**Solve each equation. Remember to check for extraneous solutions.**

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

125)  $\frac{3}{5b^2} = \frac{1}{5b^2} + \frac{2}{5b}$

126)  $\frac{1}{2p^2} + \frac{1}{2} = \frac{5}{2p^2}$

127)  $\frac{1}{5} = \frac{6p - 36}{p^2} + \frac{6}{5p}$

128)  $14 = 8 + \sqrt{9p}$

129)  $\sqrt{3n} = \sqrt{2n + 1}$

130)  $8 = \sqrt{-4 - 17k}$

131)  $\sqrt{3a - 1} = \sqrt{2a}$

132)  $1 + \sqrt{4x - 3} = \sqrt{6x - 2}$

133)  $\sqrt{4m + 1} - \sqrt{2m - 3} = 2$

134)  $\frac{2}{x - 2} - \frac{1}{x^2 - 2x} = \frac{7}{x^2 - 2x}$

135)  $\frac{r}{r^2 - r - 20} - \frac{4}{r^2 - r - 20} = \frac{7}{r - 5}$

$$136) \frac{3}{x+4} = \frac{4}{x+4} + \frac{2}{x^2+10x+24}$$

$$137) \frac{2}{r^2+5r-24} = \frac{7}{r^2+5r-24} - \frac{7}{r+8}$$

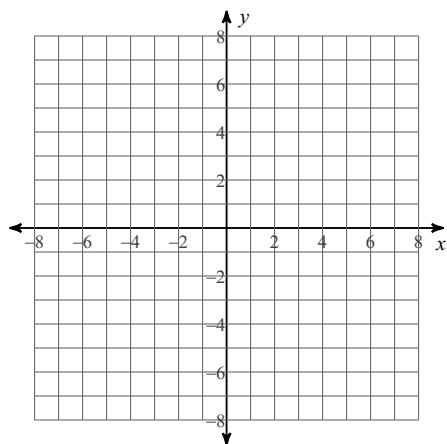
$$138) \frac{a+6}{a^2-3a+2} = \frac{2}{a-2} + \frac{1}{a^2-3a+2}$$

$$139) \frac{2}{v+7} + \frac{5}{v^2+2v-35} = \frac{1}{v+7}$$

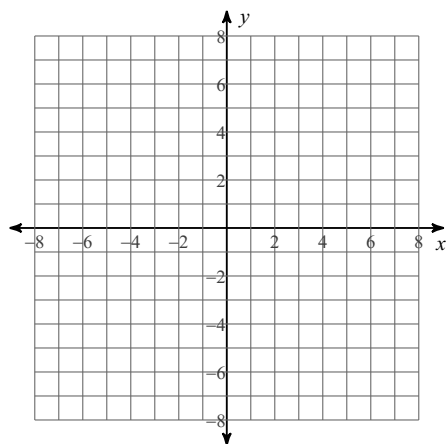
$$140) \frac{1}{9p} + \frac{1}{3} = \frac{p-8}{9p}$$

**Graph each function.**

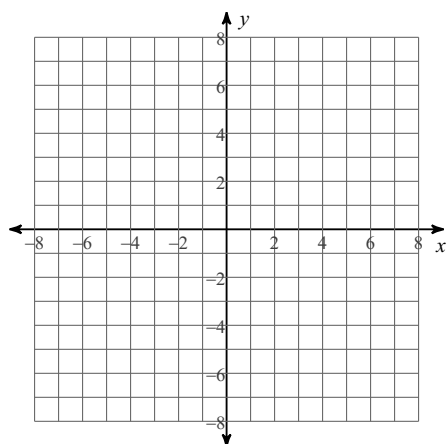
$$141) f(x) = \frac{4}{x-1} - 1$$



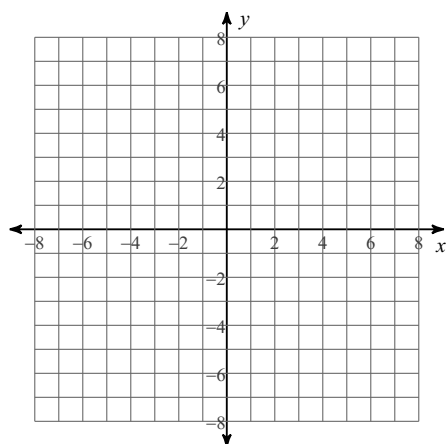
$$142) f(x) = -\frac{4}{x+2} - 2$$



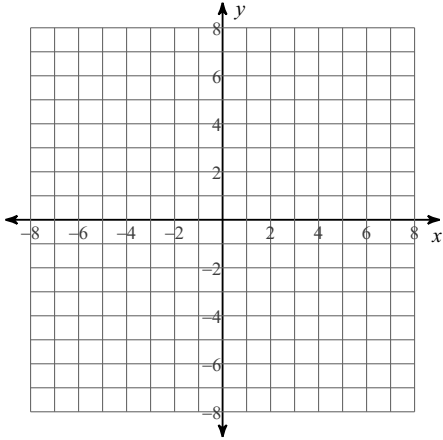
$$143) f(x) = -\frac{2}{x-3} - 3$$



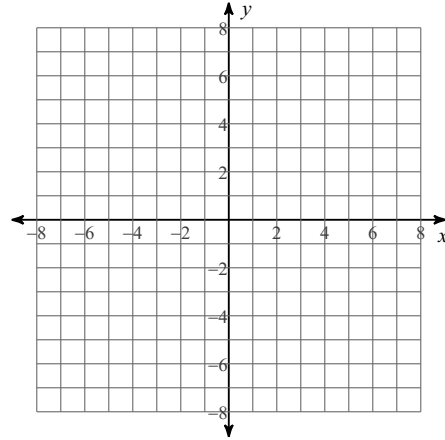
$$144) f(x) = -\frac{4}{x-1} - 2$$



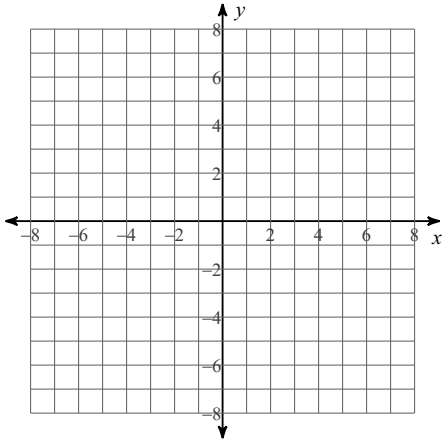
$$145) f(x) = \frac{3}{x} + 1$$



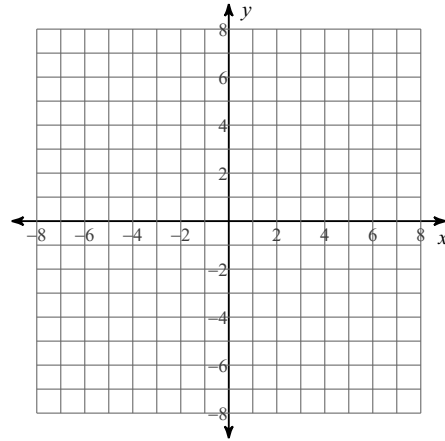
$$146) f(x) = \frac{x^3 - x^2 - 12x}{3x^2 - 6x - 9}$$



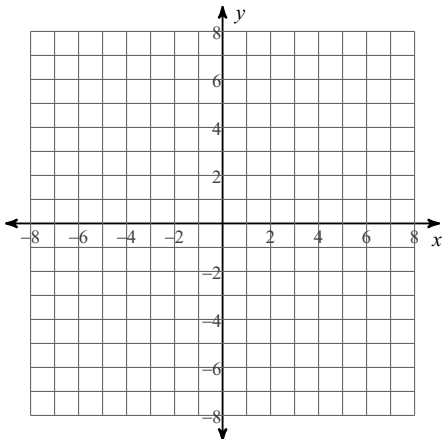
$$147) f(x) = \frac{x^3 - x}{4x^2 + 4x - 24}$$



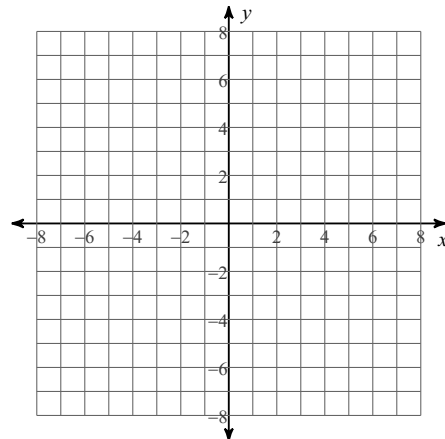
$$148) f(x) = \frac{x + 2}{2x^2 + 2x - 4}$$



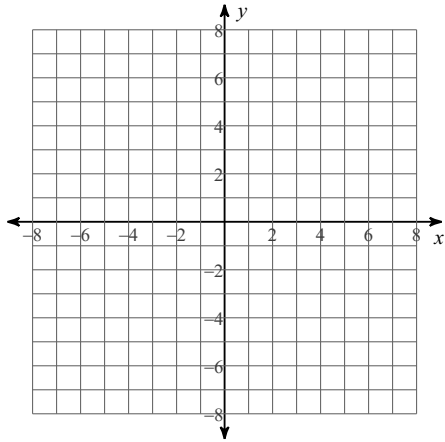
$$149) f(x) = \frac{3x - 3}{x - 2}$$



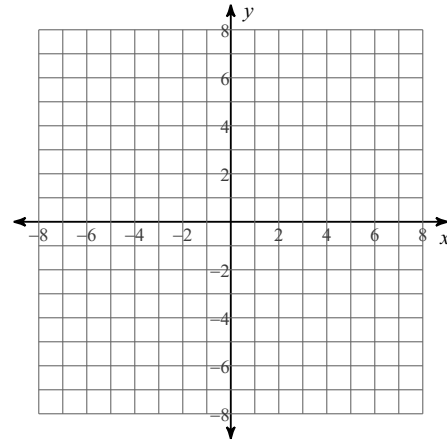
$$150) f(x) = \frac{x^2 - 3x - 4}{2x^2 - 2x - 12}$$



$$151) f(x) = \frac{x-2}{x^2-3x+2}$$



$$152) f(x) = \frac{x+4}{-3x+3}$$



**Simplify each expression.**

$$153) \frac{a^2-13a+36}{a^2-14a+45} \cdot \frac{a+9}{4-a}$$

$$154) \frac{v^2-3v-70}{4} \cdot \frac{1}{v^2+15v+56}$$

**Simplify. Your answer should contain only positive exponents with no fractional exponents in the denominator.**

$$155) 4ba^{-\frac{1}{4}} \cdot a^{\frac{3}{2}}b^3$$

$$156) 3x^{\frac{3}{2}}y^4 \cdot 2yx^{\frac{3}{2}}$$

$$157) 3xy^{\frac{3}{4}} \cdot x^{-2}y^2$$

$$158) 4x^{\frac{2}{3}} \cdot x$$

$$159) yx^2 \cdot yx^{\frac{3}{4}} \cdot 4x^{\frac{1}{2}}y^{\frac{1}{2}}$$

**Write each expression in exponential form.**

$$160) (\sqrt[5]{3a})^6$$

$$161) \sqrt{7x}$$

$$162) (\sqrt[5]{3x})^3$$

$$163) \sqrt[4]{5n}$$

$$164) (\sqrt[3]{6n})^2$$

**Simplify.**

165)  $\sqrt{196x^3}$

166)  $\sqrt{175a^4}$

167)  $\sqrt[3]{1000k^7}$

168)  $\sqrt[6]{256r}$

169)  $\sqrt{128n^2}$

**Solve each equation.**

170)  $2^{1-x} = 2^{-2x+2}$

171)  $16^a = 4^3$

172)  $36^{3n} = 216$

173)  $4^{3v-3} = 16$

174)  $\left(\frac{1}{5}\right)^{3m} = 125^{-m-3}$

175)  $125 \cdot 25^{-2m} = 5^2$

176)  $\frac{4^{1-2x}}{64} = 16$

177)  $81^{2-m} = 3^5$

178)  $625^{-2x} \cdot 125^x = 1$

179)  $\frac{16^{-m-2}}{\left(\frac{1}{64}\right)^{3m}} = \left(\frac{1}{64}\right)^{-2m}$

180)  $625^{-2p} \cdot 25^{3p} = 125^{-3p}$

181)  $8^{-2x-1} \cdot 4^{3x} = 64$

182)  $2184 = 3k^{\frac{3}{2}} - 3$

183)  $16 = (k-18)^{\frac{2}{3}}$

184)  $-3x^{-\frac{5}{6}} = -\frac{3}{32}$

185)  $54 = 2k^{\frac{3}{4}}$

186)  $-4r^{\frac{3}{2}} = -1372$

187)  $-4 + 3m^{\frac{3}{2}} = 1532$



$$188) (64m)^{-\frac{4}{3}} = \frac{1}{256}$$

**Solve each equation. Round your answers to the nearest ten-thousandth.**

$$189) 4^{-3n} - 3 = 33$$

$$190) 9 \cdot 7^{v-3} = 54$$

$$191) -8e^{b+10} = -72$$

$$192) -3 \cdot 11^{-8k} = -3.3$$

$$193) -8 \cdot 10^{n-9} = -35$$

$$194) 3 \cdot 4^{10v} = 16$$

$$195) -17^{2a} = -31$$

$$196) 20^{2k} + 1 = 68$$

$$197) 10e^{-10n-5} - 5.2 = 21$$

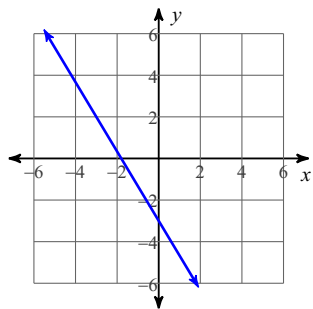
$$198) -4e^{4r-1.1} - 7 = -68.7$$

$$199) 5e^{-7p-9} + 1 = 76$$

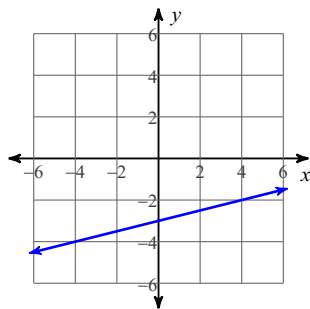
$$200) 9e^{1-4x} - 3 = 83.1$$

# Answers to Summer Work (ID: 1)

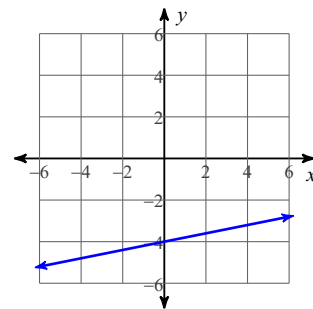
1)



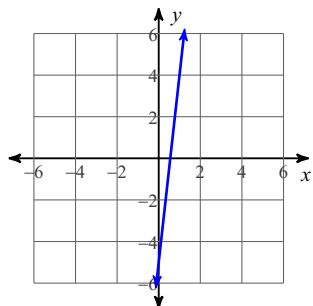
2)



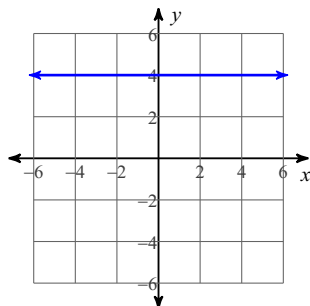
3)



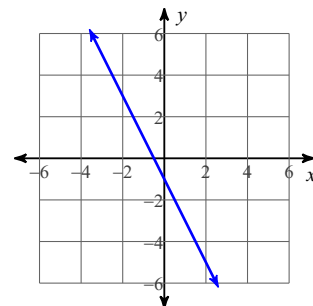
4)



5)



6)



7)  $y = -\frac{1}{3}x + 5$

8)  $y = \frac{10}{3}x - 5$

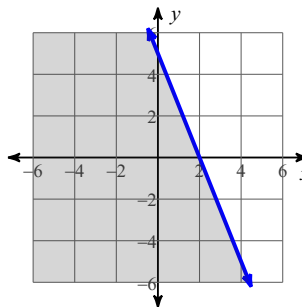
9)  $y = \frac{7}{5}x - 5$

10)  $y = 2x + 5$

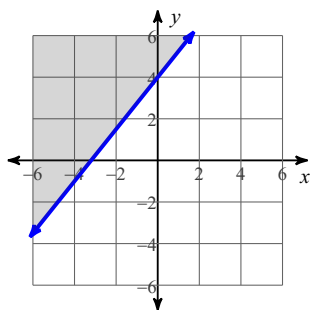
11)  $x + y = -1$

12)  $x - y = -2$

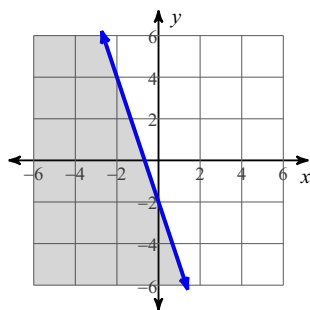
13)



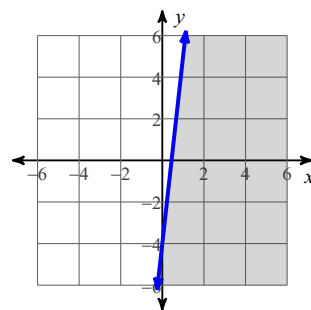
14)



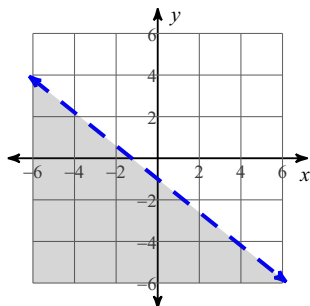
15)



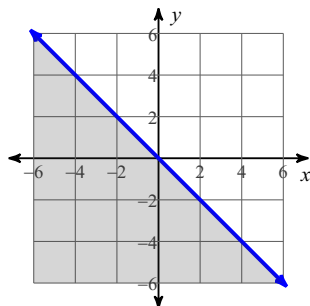
16)



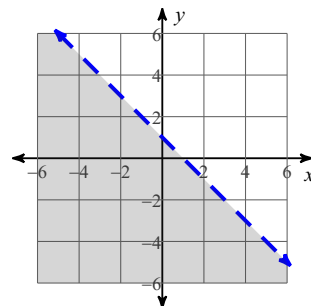
17)



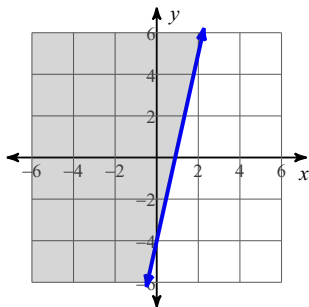
18)



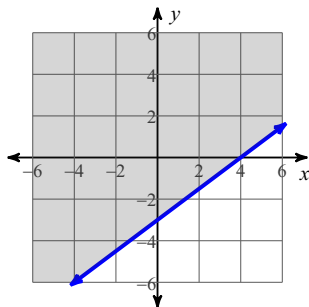
19)



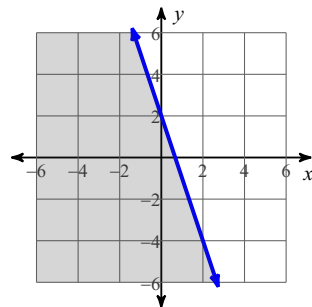
20)



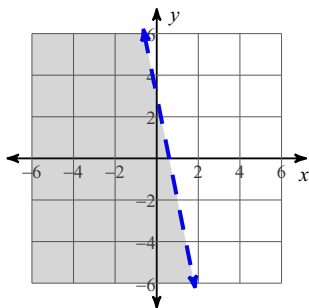
21)



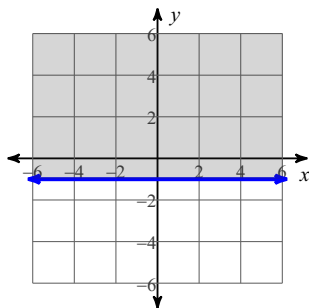
22)



23)



24)



25) (0, 2)

26) (3, 0)

27)  $(2v^2 - 7)(7v + 4)$

28)  $(7r^2 + 8)(8r - 5)$

29)  $(5x + 4)(5y + 3)$

30)  $5(4u + 7)(3v + 4)$

31)  $(3x^2 + 2)(5x - 3)$

32)  $4(2b^2 + 3)(5b + 1)$

33)  $(r - 5)^2$

34)  $(k + 2)(k - 2)$

35)  $(b^2 + 3)(b^2 - 3)$

36)  $(n^2 - 5)^2$

37)  $(x^3 - 4)^2$

38)  $(a^3 + 3)(a^3 - 3)$

39)  $2(x^3 + 6)(x^3 - 6)$

40)  $5(x^3 - 2)(x^3 + 6)$

41)  $2(2x^4 + 3)(x^4 + 1)$

42)  $-(5x^3 + 4)(x^3 + 3)$

43)  $-(5m^3 - 7)(3m^3 + 7)$

44)  $-(3x^3 + 10)(2x^3 + 3)$

45)  $(x - 2)(x + 2)(x^2 + 4)(x^2 - 3)(x^2 + 3) = 0$

46)  $(x - 1)(x^2 + x + 1)(x + 4)(x^2 - 4x + 16) = 0$

47)  $(x - 1)(x^2 + x + 1)(x + 1)(x^2 - x + 1) = 0$

48)  $(x^2 - 5)(x^2 + 5)(x^2 - 3)(x^2 + 3) = 0$

49)  $(x^2 - 3)(x^2 + 3)(3x^2 - 2)(3x^2 + 2) = 0$

50)  $(x^2 - 3)(x^2 + 3)(5x^2 - 1)(5x^2 + 1) = 0$

51)  $(4x^2 - 5)(4x^2 + 5)(x^2 - 3)(x^2 + 3) = 0$

52)  $(x^2 - 5)(x^2 + 5)(3x^2 - 2)(3x^2 + 2) = 0$

53)  $(4x - 3)(-16x^2 - 12x - 9) = 0$

54)  $(3x^2 + 8)(2x^2 - 5) = 0$

55)  $(5x - 1)(3x^2 + 5) = 0$

56)  $(5x^2 - 6)(5x^2 - 3) = 0$

57)  $(x - 1)(x + 1)(3x^2 - 1)(3x^2 + 1) = 0$

58)  $(4x^2 - 3)(x^2 - 2)(x^2 + 2) = 0$

59)  $(2x + 1)(x - 5) = 0$

60)  $(5x^2 - 3)(5x^2 + 3)(x^2 - 2)(x^2 + 2) = 0$

61)  $(x - 2)(x + 2)(x^2 - 3)(x^2 + 3) = 0$

62)  $(x^2 - 3)(x^2 + 3)(x - 1)(x + 1)(x^2 + 1) = 0$

63)  $(x^2 - 2)(x^2 + 2)(x^2 - 5)(x^2 + 5) = 0$

64)  $(x + 4)(x + 5) = 0$

65)  $\{6, -3\}$

66)  $\{7, 2\}$

67)  $\{3, -7\}$

68)  $\{-4, 0\}$

69)  $\{-8, 0\}$

70)  $\{-3, -6\}$

71)  $\{3, -6\}$

72)  $\{-3, 4\}$

73)  $\{8, -3\}$

74)  $\{-4, -3\}$

75)  $\{2, 6\}$

76)  $\{-5, -2\}$

77)  $\{1, -1\}$

78)  $\{-4, -7\}$

79)  $\left\{\frac{2}{7}, -1\right\}$

80)  $\left\{-\frac{7}{5}, -6\right\}$

81)  $\left\{-\frac{1}{4}, 6\right\}$

82)  $\left\{\frac{8}{3}, -5\right\}$

83)  $\left\{\frac{7}{2}, \frac{7}{3}\right\}$

84) 144; two real solutions

85) -20; two imaginary solutions

86) -311; two imaginary solutions

87) -92; two imaginary solutions

88) 0; one real solution

89)  $\{10 + \sqrt{23}, 10 - \sqrt{23}\}$

90)  $\{-7 + \sqrt{113}, -7 - \sqrt{113}\}$

91)  $\{3 + \sqrt{6}, 3 - \sqrt{6}\}$

92)  $\{9 + \sqrt{30}, 9 - \sqrt{30}\}$

93)  $\{7, -11\}$

94)  $\left\{\frac{5}{3}, -\frac{5}{3}\right\}$

95)  $\left\{\frac{2}{3}, -\frac{2}{3}\right\}$

96)  $\{5\sqrt{3}, -5\sqrt{3}\}$

97)  $\{2\sqrt{22}, -2\sqrt{22}\}$

98)  $\{1, -1\}$

99)  $\left\{\frac{2\sqrt{2}}{3}, -\frac{2\sqrt{2}}{3}\right\}$

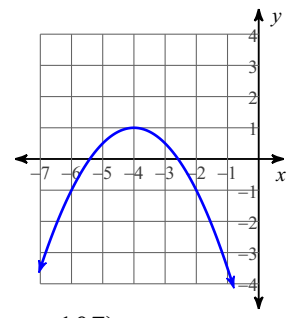
100)  $\left\{\frac{-1 + i\sqrt{15}}{4}, \frac{-1 - i\sqrt{15}}{4}\right\}$

101)  $\left\{\frac{14}{3}, -5\right\}$

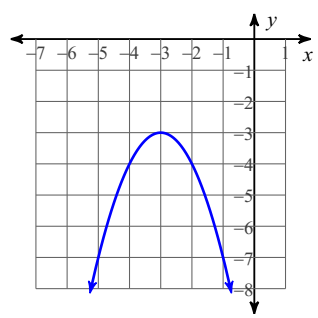
102)  $\left\{ \frac{i\sqrt{5}}{5}, -\frac{i\sqrt{5}}{5} \right\}$

103)  $\left\{ \frac{-2 + \sqrt{43}}{3}, \frac{-2 - \sqrt{43}}{3} \right\}$

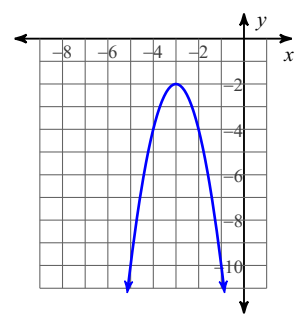
104)



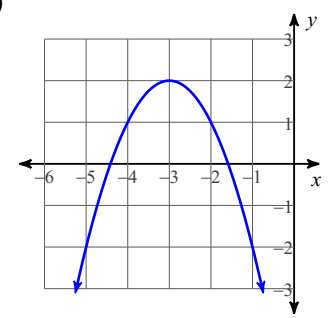
105)



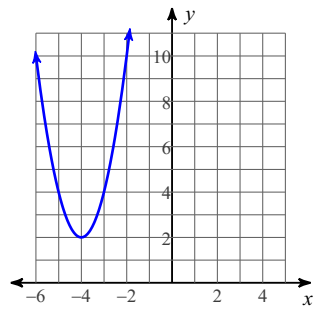
106)



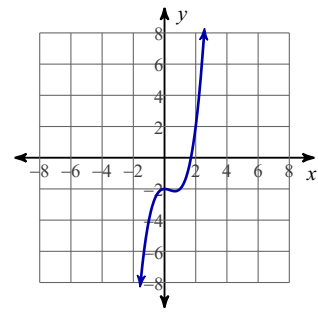
107)



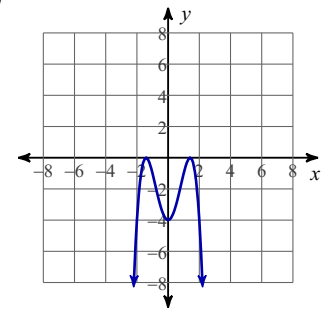
108)



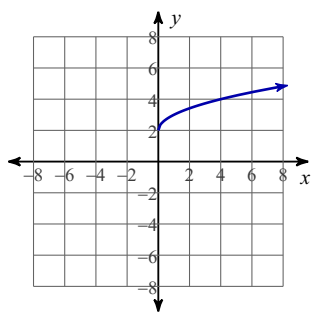
109)



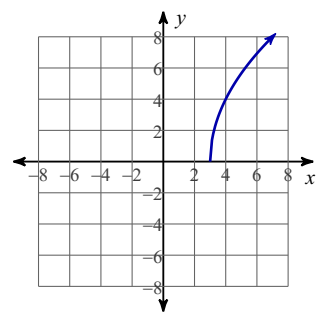
110)



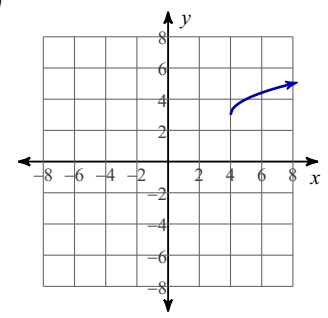
111)



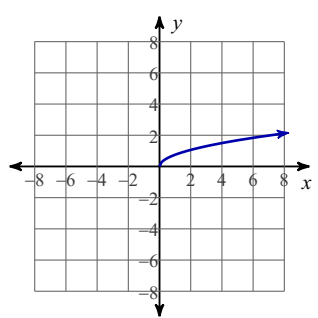
112)



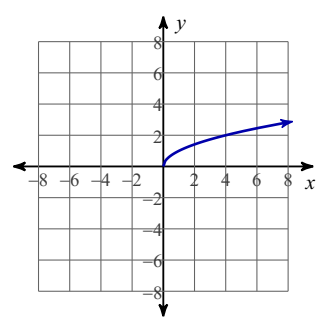
113)



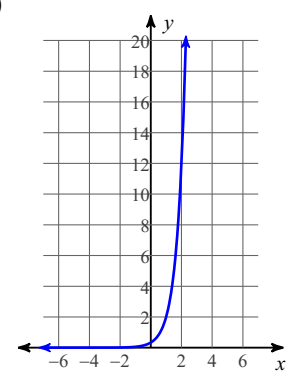
114)



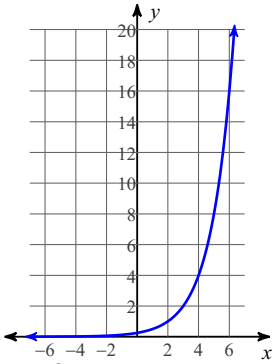
115)



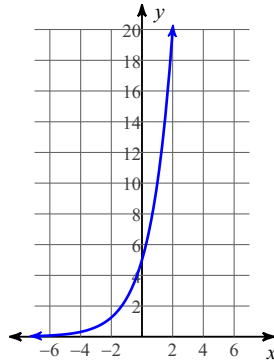
116)



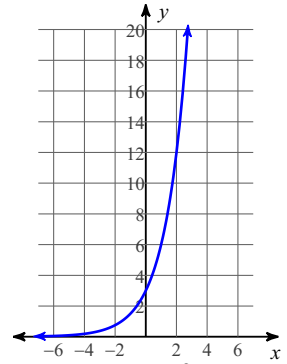
117)



118)



119)



120)  $15k^2 - 37k + 20$

121)  $10b^2 + 10b - 20$

122)  $9p^2 + 42p + 49$

123)  $49n^2 - 4$

124)  $\{1\}$

125)  $\{1\}$

126)  $\{2, -2\}$

127)  $\{30, 6\}$

128)  $\{4\}$

129)  $\{1\}$

130)  $\{-4\}$

131)  $\{1\}$

132)  $\{3, 1\}$

133)  $\{6, 2\}$

134)  $\{4\}$

135)  $\left\{-\frac{16}{3}\right\}$

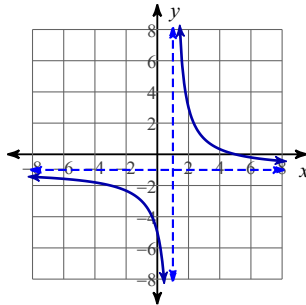
136)  $\{-8\}$

137)  $\left\{\frac{26}{7}\right\}$

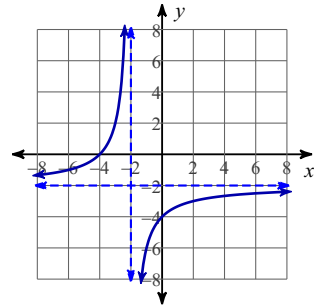
138)  $\{7\}$

140)  $\left\{-\frac{9}{2}\right\}$

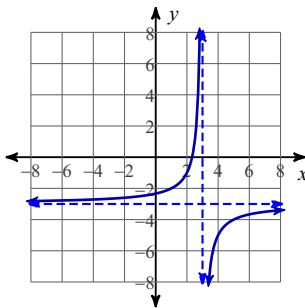
141)



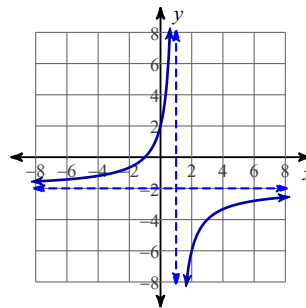
142)



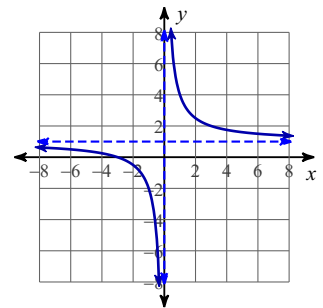
143)



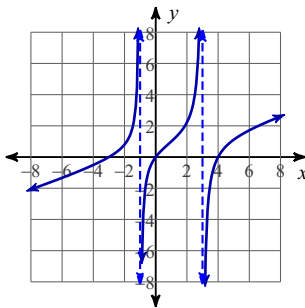
144)



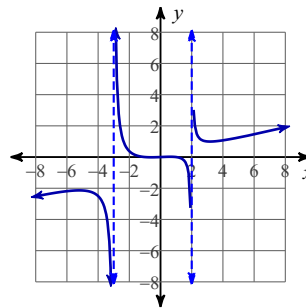
145)



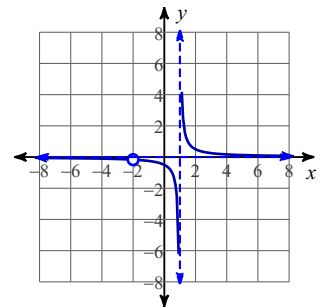
146)



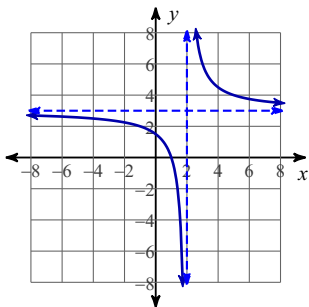
147)



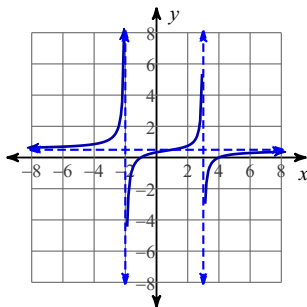
148)



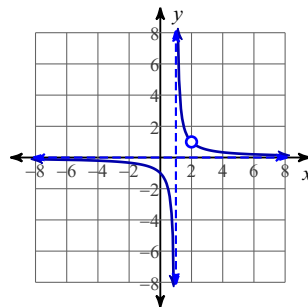
149)



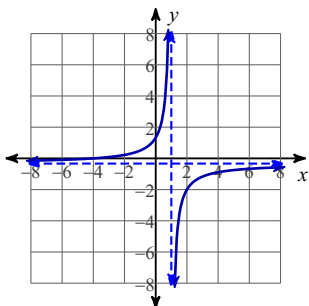
150)



151)



152)



153)  $\frac{-a-9}{a-5}$

154)  $\frac{v-10}{4(v+8)}$

155)  $4a^{\frac{5}{4}}b^{\frac{4}{3}}$

156)  $6y^5 \cdot x^3$

157)  $\frac{3y^{\frac{11}{4}}}{x}$

158)  $4x^{\frac{5}{3}}$

159)  $4x^{\frac{13}{4}}y^{\frac{5}{2}}$

160)  $(3a)^{\frac{6}{5}}$

161)  $(7x)^{\frac{1}{2}}$

162)  $(3x)^{\frac{3}{5}}$

163)  $(5n)^{\frac{1}{4}}$

164)  $(6n)^{\frac{2}{3}}$

165)  $14x\sqrt{x}$

166)  $5a^2\sqrt{7}$

167)  $10k^2\sqrt[3]{k}$

168)  $2\sqrt[6]{4r}$

169)  $8n\sqrt{2}$

170)  $\{1\}$

171)  $\left\{\frac{3}{2}\right\}$

172)  $\left\{\frac{1}{2}\right\}$

173)  $\left\{\frac{5}{3}\right\}$

174) No solution.

175)  $\left\{\frac{1}{4}\right\}$

176)  $\{-2\}$

177)  $\left\{\frac{3}{4}\right\}$

178)  $\{0\}$

179)  $\{4\}$

180)  $\{0\}$

181) No solution.

182)  $\{81\}$

183)  $\{82, -46\}$

184)  $\{64\}$

185)  $\{81\}$

186)  $\{49\}$

187)  $\{64\}$

188)  $\{1, -1\}$

189)  $-0.8617$

190)  $3.9208$

191)  $-7.8028$

192)  $-0.005$

193)  $9.641$

194)  $0.1208$

195)  $0.606$

196)  $0.7018$

197)  $-0.5963$

198)  $0.959$

199)  $-1.6726$

200)  $-0.3146$