

Lesson 3.3.2

3-93. See below:

a. $x = \pm 7$

b. $x = \pm 16$

c. $x = 3, -17$

d. $x = \pm 53.1$

3-94. See below:

a. $x = 6 + \frac{2}{3}y$

b. $y = \frac{3}{2}x - 9$

c. $r = \frac{d}{t}$

d. $r = \frac{c}{2\pi}$

3-95. See below:

a. $5\frac{5}{9}$

b. $-11\frac{17}{35}$

c. $6\frac{30}{49}$

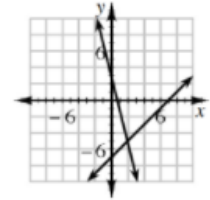
d. $1\frac{163}{350}$

3-96. See below:

a. $y = -11$

b. $y = -\frac{3}{4}x + 21$

3-97. See graph at right. (2, -5)



3-98. See below:

a. x^4y^3

b. xy

c. $-6x^6$

d. $8x^3$

3-99. See below:

a. $x = 10$ or $x = -16$

b. $x = \frac{9}{2}, -\frac{11}{2}$

c. $x = -\frac{1}{3}$ or $x = 6\frac{1}{3}$

d. no solution

Lesson 3.3.2

3-100. See below:

a. $5x^2 - 30x$

b. $-54y + 27y^2$

3-101. See below:

a. $2x(x + 5) = 2x^2 + 10x$

b. $(2x + 5)(x + 3) = 2x^2 + 13x + 15$

3-102. See below:

a. $x = 5$

b. $x = 2$

c. $x = 0$

d. $x = 38$

3-103. See below:

a. $4x^2 + 17x + 15$

b. $-6x^3 - 20x^2 - 16x$

c. $-3xy + 3y^2 + 8x - 8y$

d. $3xy + 5y^2 - 22y - 12x + 8$

3-104. See below:

a. $x = \frac{y+5}{2}$

b. $w = \frac{p-9}{-3}$

c. $m = \frac{4n+10}{2}$

d. $y = -3x$