

Chapter 3

Elementary Algebra, Norco Edition Answers to Odd Exercises

Section 3.1

3. $r = \frac{I}{Pt}$

5. $H = C + bx$

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

9. $E = \frac{AI}{9}$

11. $P = \frac{w + LA}{L}$ or $P = \frac{w}{L} + A$

13. $m = x - Zd$

15. $r = \frac{P - D}{P}$ or $r = 1 - \frac{D}{P}$

17. $m = \frac{y - b}{x}$

19. $x = \frac{-y + 1}{2}$ or $x = \frac{1 - y}{2}$

21. $y = \frac{4 - 3x}{5}$ or $y = \frac{-3x + 4}{5}$

23. $D = \frac{24d}{a + 1}$

Section 3.2

5. The measure of the third angle is 35° .
7. The width of the rectangle is 7 inches.
9. The width of the garden should be 13 feet.
11. Sam got 92 points on his second test.
13. Adrienne's score on the first test is 73.
15. It takes Margo 3 hours to get there.
17. Kahlil's average rate of speed was 28 miles per hour (mph).
19. The length of the third side is 15 inches.
21. The length of the floor will be 14 feet.
23. The length of the canvass will be 48 inches.
25. Hannah drove 485 miles.
27. Roberto earns \$1,838 each month.
29. The electrician worked there 6 hours.
31. Jorge and Melia used their phones a total of 370 minutes that month.
33. The length of the rectangle is 43 inches.

Section 3.3

3. The longer piece is 18 feet, and the shorter piece is 6 feet.
5. The newer machine produced 320 copies, and the older machine produced 240 copies.
7. The vertical piece is 21 inches, and the cross piece is 7 inches.
9. The length is 12 feet, and the width is 6 feet.
11. The length is 260 feet, and the width is 126 feet.
13. The smallest angle measures 26° , and middle angle measures 64° .
15. The smallest angle measures 35° , and middle angle measures 55° .
17. Sheila spent 83 hours, and Moira spent 38 hours.
19. Marisa received 331 votes, and Shandrell received 977 votes.
21. The smallest angle measures 18° , and middle angle measures 72° .
23. The smallest angle measures 40° , middle angle measures 60° , and largest angle measures 80° .