

## CHAPTER REVIEW

1. 6 [2.1B]    2.  $\left\{x \mid x > \frac{5}{3}\right\}$  [2.4A]    3.  $L = \frac{P - 2W}{2}$  [2.1D]    4. -9 [2.1A]    5.  $\left\{x \mid -3 < x < \frac{4}{3}\right\}$  [2.4B]
6.  $-\frac{40}{7}$  [2.1B]    7.  $-\frac{2}{3}$  [2.1A]    8. -1 and 9 [2.5A]    9.  $\{x \mid 1 < x < 4\}$  [2.5B]    10.  $-\frac{9}{19}$  [2.1C]
11.  $\frac{26}{17}$  [2.1C]    12.  $\{x \mid x > 2 \text{ or } x < -2\}$  [2.4B]    13.  $\left\{x \mid x \geq 2 \text{ or } x \leq \frac{1}{2}\right\}$  [2.5B]    14.  $C = R - Pn$  [2.1D]
15.  $-\frac{17}{2}$  [2.1C]    16. No solution [2.5A]    17. The set of real numbers [2.4B]    18.  $\frac{5}{2}$  [2.1C]
19. 52 gal of apple juice were used. [2.3A]    20. The amount of sales must be \$55,000 or more. [2.4C]    21. There are seven quarters in the collection. [2.2B]
22. Lower limit: 2.747 in.; upper limit: 2.753 in. [2.5C]    23. The integers are 6 and 14. [2.2A]
24. The range of scores is  $82 \leq x \leq 100$ . [2.4C]    25. The speed of the faster plane is 520 mph. The speed of the slower plane is 440 mph. [2.3C]
26. 375 lb of 30% tin and 125 lb of 70% tin were used. [2.3B]
27. Lower limit:  $10\frac{11}{32}$  in.; upper limit:  $10\frac{13}{32}$  in. [2.5C]