

CHAPTER TEST

1. -2 [2.1A] 2. $-\frac{1}{8}$ [2.1A] 3. $\frac{5}{6}$ [2.1A] 4. 4 [2.1B] 5. $\frac{32}{3}$ [2.1B] 6. $-\frac{1}{5}$ [2.1B] 7. 1 [2.1C]
8. $R = \frac{E - Ir}{I}$ [2.1D] 9. $\frac{12}{7}$ [2.1C] 10. $\{x \mid x \leq -3\}$ [2.4A] 11. $\{x \mid x > -1\}$ [2.4A] 12. $\{x \mid x > 2\}$ [2.4B]

- 13.** \emptyset [2.4B] **14.** 3 and $-\frac{9}{5}$ [2.5A] **15.** 7 and -2 [2.5A] **16.** $\left\{x \mid \frac{1}{3} \leq x \leq 3\right\}$ [2.5B]
- 17.** $\left\{x \mid x > 2 \text{ or } x < -\frac{1}{2}\right\}$ [2.5B] **18.** You can drive less than 120 mi. [2.4C] **19.** Lower limit: 2.648 in.; upper limit: 2.652 in. [2.5C] **20.** The integers are 4 and 11. [2.2A] **21.** There are six 24¢ stamps in the collection. [2.2B]
- 22.** The cost of the hamburger mixture is \$2.20 per pound. [2.3A] **23.** The total distance the jogger ran was 12 mi. [2.3C] **24.** The speed of the slower train is 60 mph. The speed of the faster train is 65 mph. [2.3C]
- 25.** 100 oz of pure water must be added. [2.3B]