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Chapter 2 Cumulative Review

(Chapters 1–2)

1. Write an algebraic expression for the verbal expression *seven more than the square of a number*. (Lesson 1–1) 1. _____

2. Evaluate $3a(a + b)$ if $a = 4$ and $b = 3$. (Lesson 1–2) 2. _____

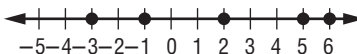
For Questions 3 and 4, simplify each expression.

3. $6a + 11a - 3$ 4. $2(4 + 2x) + 6$ 3. _____
 (Lesson 1–5) (Lesson 1–6) 4. _____

5. Identify the hypothesis and conclusion of the statement. Then write the statement in if-then form. *I'll go to the store when I finish my homework*. (Lesson 1–7) 5. _____

6. As the weather gets warmer, the beaches become more crowded. Draw a reasonable graph that shows the number of people at the beach as the temperature increases. Let the horizontal axis show the temperature and the vertical axis show the number of people. (Lesson 1–8) 6. _____

7. Name the coordinates of the points graphed on the number line. (Lesson 2–1)



7. _____

8. Evaluate $12 + |x + 11|$, if $x = 13$. (Lesson 2–1) 8. _____

9. Find $32.4 + (-14.6)$. (Lesson 2–2) 9. _____

10. Find $31 - 17$. (Lesson 2–2) 10. _____

11. Find $\left(\frac{2}{5}\right)\left(-\frac{3}{7}\right)$. (Lesson 2–3) 11. _____

12. Simplify $\frac{12t - 18}{6}$. (Lesson 2–4) 12. _____

13. Use the data to make a line plot. (Lesson 2–5)
 46 42 45 41 42 40 44 46 42 40 47 13. _____

14. A card is selected from a standard deck of cards. Determine $P(\text{black ace})$. (Lesson 2–6) 14. _____

15. Write $-\sqrt{5}$, $\frac{57}{25}$, $-\frac{9}{4}$, $2.\overline{24}$ in order from least to greatest. (Lesson 2–7) 15. _____