

## 2

**Chapter 2 Cumulative Review***(Chapters 1–2)***Look** →

All work on looseleaf.  
Circle problem number,  
rewrite problem,  
show work, box answer.

1. Write an algebraic expression for the verbal expression  
*seven more than the square of a number.* (Lesson 1–1)
2. Evaluate  $3a(a + b)$  if  $a = 4$  and  $b = 3$ . (Lesson 1–2)

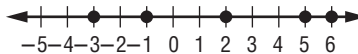
**For Questions 3 and 4, simplify each expression.**

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

5. List and name the six (6) sets of numbers using set notation and give an example of each. (Lesson 2–7 and notes)

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)

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



8. Evaluate  $12 + |x + 11|$ , if  $x = 13$ . (Lesson 2–1)
9. Find  $32.4 + (-14.6)$ . (Lesson 2–2)
10. Find  $31 - 17$ . (Lesson 2–2)
11. Find  $\left(\frac{2}{5}\right)\left(-\frac{3}{7}\right)$ . (Lesson 2–3)
12. Simplify  $\frac{12t - 18}{6}$ . (Lesson 2–4)
13. Find the mean, median, and mode. (Lesson 2–5)  
46 42 45 41 42 40 44 46 42 40 47

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

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