

**2.1****Challenge Practice**

For use with pages 63–68

**Evaluate the expression. Justify each of your steps.**

1.  $17 + 28 + 33 + 12$

2.  $1.25 + 3.25 + 4.75 + 3.5$

3.  $12(13)(5)(-9)$

**Evaluate the expression when  $a = -8$ ,  $b = 5$ , and  $c = 6$ .**

4.  $6a + 5b + 8c$

5.  $3a^2 + 4bc$

6. The distance between your classroom and the gymnasium is 150 yards. Use a conversion factor to find this distance in inches.

7. Your class is making a bulletin board to display class projects and upcoming school events. The class decides that the area of the board should be 36 square feet. The material you are using to make the board is sold by the square yard. How many square yards of material do you need?

8. Use the properties from this lesson to find the value of  $1 \cdot (cd + 0) + ab - dc$ . Justify each step of your solution.