

Name \_\_\_\_\_ Date \_\_\_\_\_

## Chapter 1 Review

Solve the equation.

1)  $4 - c = -3$

2)  $-24 = x - 18$

3)  $\frac{3}{4}s = 12$

4)  $4r = -36$

5)  $2d - 15 = 3$

6)  $4 = \frac{m}{4} - 8$

7)  $-3(n + 6) + 10 = -8$

8)  $3(q - 2) = -6 + 3q$

$$9) -4p = 3p + 28$$

$$10) -2y - 4 = 4(y - 1)$$

$$11) 3(k + 5) = -2(3k - 6)$$

$$12) 8m + 2 + 4m = 2(6m + 1)$$

Solve the equation for y.

$$13) 5x - 5y = 10$$

$$14) 7 = -y + 3x$$

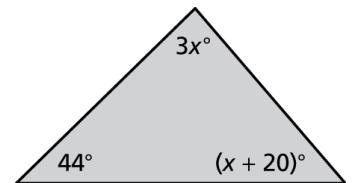
15) The formula for the perimeter of a rectangle is  $P = 2w + 2l$ . Solve the formula for the width  $w$ .

16) The formula for the volume of a prism is  $V = Bh$ .

a) Solve the formula for the height  $h$ .

b) What is the height of a prism if the volume ( $V$ ) of the prism is 120 cubic feet and the base area ( $B$ ) is 15 square feet?

17) The sum of the measures of the interior angles of the triangle is  $180^\circ$ . Write and solve an equation to find the value of the variable. Afterwards, find the measure of them missing angles.



a) Equation: \_\_\_\_\_ = \_\_\_\_\_

b) Solution: \_\_\_\_\_

$$3x = \underline{\hspace{2cm}} \quad x+20 = \underline{\hspace{2cm}}$$