

# Chapter 3 Test Review

Name \_\_\_\_\_

Date \_\_\_\_\_

## One-Step Equations

Solve each equation.

2)  $3 + p = 8$

4)  $-15 + n = -9$

6)  $x - 7 = 13$

8)  $p - 6 = -5$

10)  $n + 16 = 9$

12)  $14b = -56$

14)  $10n = 40$

$$16) 16 = \frac{k}{11}$$

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$$18) -17x = -204$$

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$$20) \frac{m}{4} = -13$$

$$22) -143 = -11x$$

$$24) -5 = \frac{a}{18}$$

$$26) n - 8 = -10$$

$$28) a + 11 = 20$$

$$30) 18 + m = 8$$

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## One-Step Inequalities

Solve each inequality.

$$2) -1 + r \geq 4$$

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$$4) b - 7 < -12$$

$$6) 15 + x \leq 0$$

$$8) 8 \geq n - 6$$

$$10) \frac{n}{3} > 3$$

$$12) -9x \geq -90$$

$$14) \frac{m}{5} \geq -5$$

$$16) 32 \geq -16p$$

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$$18) 11 \leq 5 + x$$

$$20) -168 > -12a$$

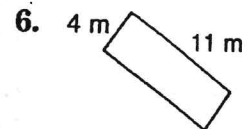
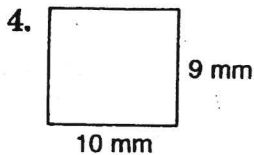
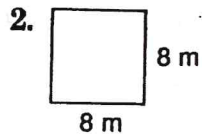
$$22) \frac{r}{3} > 6$$

$$24) -22 > -10 + b$$

## Practice Worksheet 3-6

### Applications: Perimeter and Area

Find the perimeter and area of each rectangle.



8. a rectangle with a length of 27 meters and a width of 8 meters

10. a rectangle, 13 m by 11 m

Given each area, find the missing length or width of each rectangle described below.

12.  $A = 255 \text{ m}^2$ ,  $l = 17 \text{ m}$ ,  $w = \underline{\quad?}$

14.  $A = 250 \text{ km}^2$ ,  $l = 25 \text{ km}$ ,  $w = \underline{\quad?}$

16.  $A = 105 \text{ mm}^2$ ,  $l = 15 \text{ mm}$ ,  $w = \underline{\quad?}$

# Reteaching Worksheet 1-3

## Properties

### Three Properties of Addition

**Commutative** The order of adding does not change the sum.  
 $15 + 23 = 23 + 15$

**Associative** Grouping numbers differently does not change the sum.  
 $(18 + 2) + 8 =$   
 $18 + (2 + 8)$

**Identity** Adding zero to a number does not change its value.  
 $68 + 0 = 68$

### Four Properties of Multiplication

**Commutative** The order of multiplying does not change the product.  $3 \times 5 = 5 \times 3$

**Associative** Grouping numbers differently does not change the product.  
 $(3 \times 2) \times 4 = 3 \times (2 \times 4)$

**Identity** Multiplying a number by 1 does not change its value.  $5 \times 1 = 5$

**Zero** Zero times any number equals zero.  $16 \times 0 = 0$

**Name the addition property shown by each statement.**

2.  $96 + 4 = 4 + 96$

4.  $(6 + 2) + 4 =$   
 $6 + (2 + 4)$

6.  $27 + 45 = 45 + 27$

8.  $2115 = 2115 + 0$

10.  $x + y = y + x$

12.  $x + (y + z) =$   
 $(x + y) + z$

**Name the multiplication property shown by each statement.**

14.  $(6 \times 3) \times 4 =$   
 $6 \times (3 \times 4)$

16.  $0 \times 8 = 0$

18.  $42 \times 0 = 0$

20.  $x(yz) = (xy)z$