NAME

# Find the value of *x* in each figure.

DATE

PERIOD SCORE

# 12.

14

20°

(5*x*) **13.**

165°

 15

(*x* **+** 15)°

76° (*x***-**6)°

(3*x*) °

#

1.
2.
3.
4. Suppose you are making a scale drawing. Find the length of each object on the scale drawing with the given scale. Then find the scale factor.
	1. a parking lot 480 meters wide; 1 centimeter = 16.5 meters
	2. a desk 6 feet long; 1.5 inches = 0.5 feet

**Find the missing angle measure in each triangle. Then classify the triangle as *acute, right,* or *obtuse.***

# 5a.

**5b.**

1. *x***°**

37**°**

#

**18.** 23**°** 37**°**

*x***°**

#

1. A model of a building is made using a scale of 1 inch = 25 feet.

What is the height of the actual building if the height of the model is 12.5 inches?

#

Copyright © The McGraw-Hill Companies, Inc. Permission is granted to reproduce for classroom use.

**Course 2 •** Chapter 7 Geometric Figures **167**

NAME

**Test, Form 3B** *(continued)*

DATE

PERIOD SCORE

# Draw a top, a side, and a front view of each solid. 20.

**9**

**21.**

* 1.
1. Identify the figure. Then name the bases, faces, edges, and vertices.

*F*

*B*

*A C*

*E D* **11.**

Bonus 1: Describe the shape that would result from a horizontal slice of the figure below.

#

Bonus 2: Explain how the horizontal, vertical, and angled cross sections of the figure shown are related.


# 13.

**168**

Copyright © The McGraw-Hill Companies, Inc. Permission is granted to reproduce for classroom use.

**Course 2 •** Chapter 7 Geometric Figures