Name _____ Date _____ Class _____
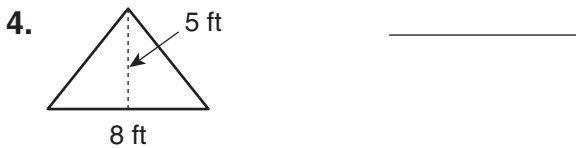
Chapter Test
Form A

Find the perimeter of each figure.

1.

10 cm

15 cm

_____

2.

12 in.

8 in.   8 in.

18 in.

_____
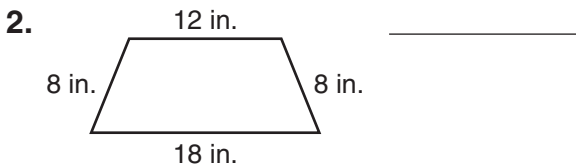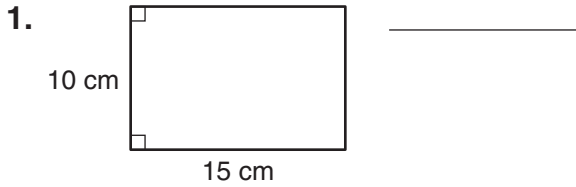
Find the area of each figure.

3.

5 ft

8 ft

_____

4.

5 ft

8 ft

_____
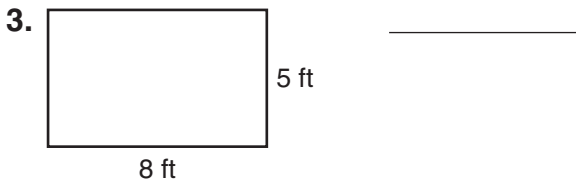
Find the area of each polygon.

5.

10 m   2 m

8 m

10 m

_____

6.

4 cm

7 cm

4 cm

13 cm

6 cm

8 cm

_____
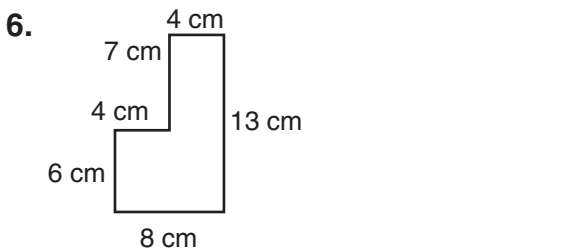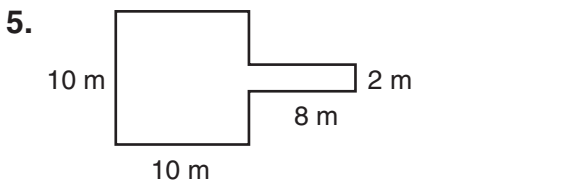
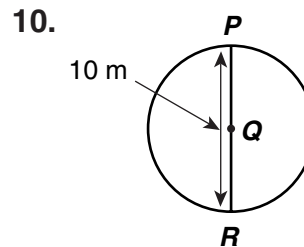**7.** How does the perimeter of a square change when the side length is doubled?

_____

8. The length and width of a rectangle are each multiplied by 3. Find how the perimeter and area of the rectangle change.
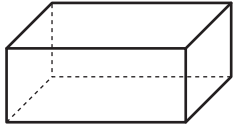
_____

_____

Name two radii and find the circumference and area for each circle. Use 3.14 for π and round to the nearest hundredth.

9.

B   4 m

C

A

_____

_____

10.

P

10 m

Q

R

_____

_____

Holt Middle School Math   Course 1
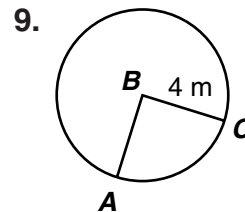
Chapter Test
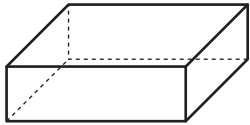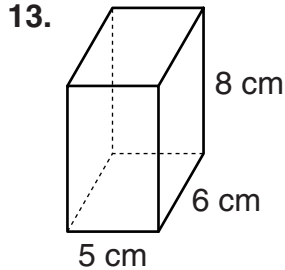### CHAPTER 10 *Form A, continued*

11. Identify the number of faces, edges, and vertices.

_____

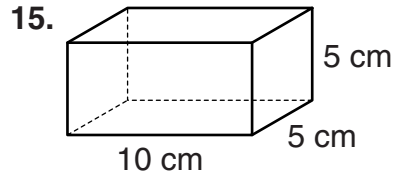**12.** Tell whether the figure is a polyhedron and name the solid.

_____

Find the surface area of each figure. Use 3.14 for π.

13.

8 cm
6 cm
5 cm

_____

14.

10 cm
4 cm
10 cm

_____
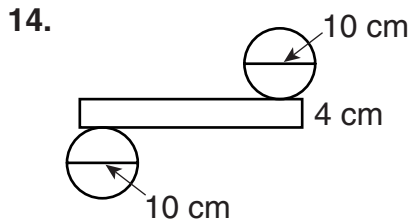
Find the volume of each prism.

15.

5 cm
5 cm
10 cm

_____

16.

7 cm
8 cm
8 cm

_____
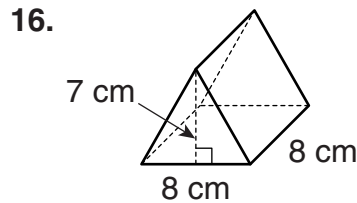
Find the volume *V* of each cylinder to the nearest cubic unit. Use 3.14 for π.

17.

4 in.
6 in.

_____

18.

12 in.
8 in.

_____

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