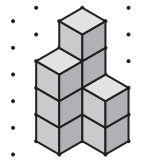


# 12 Chapter 12 Quiz 1

SCORE \_\_\_\_\_

(Lessons 12-1 and 12-2)

1. Given the corner view of a figure, draw the left view.

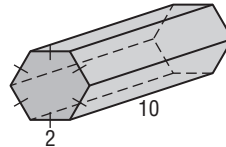


1. \_\_\_\_\_

2. A cylinder has a lateral area of  $120\pi$  square meters, and a height of 7 meters. Find the radius. Round to the nearest tenth.

2. 8.6 m

3. Find the lateral area of the hexagonal prism.

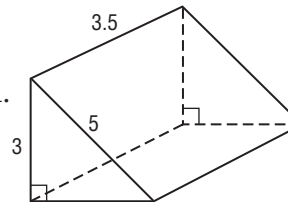


3. 120 units<sup>2</sup>

4. Find the surface area of a rectangular prism with a length and width of 6 centimeters and a height of 12 centimeters.

4. 360 cm<sup>2</sup>

5. **MULTIPLE CHOICE** Find the surface area of the prism to the nearest hundredth.  
**A** 30.50    **B** 54.00



- C** 49.45    **D** 52.44

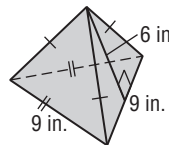
5. B

# 12 Chapter 12 Quiz 2

SCORE \_\_\_\_\_

(Lessons 12-3 and 12-4)

1. Find the surface area of the solid figure at the right to the nearest tenth.



1. 116.1 in<sup>2</sup>

**For Questions 2 and 3, use a right circular cone with a radius of 5 feet and a slant height of 12 feet. Round to the nearest tenth.**

2. Find the lateral area.

2. 188.5 ft<sup>2</sup>

3. Find the surface area.

3. 267.0 ft<sup>2</sup>

4. A rectangular prism has a length of 16 feet, a width of 9 feet, and a height of 8 feet. Find the volume of the prism.

4. 1152 ft<sup>3</sup>

5. A cylinder has a diameter of 20 inches and a height of 9 inches. Find the volume of the cylinder, round to the nearest tenth.

5. 2827.4 in<sup>3</sup>