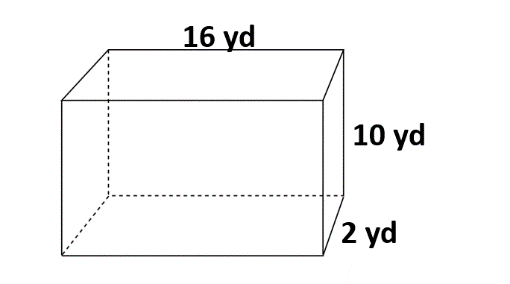
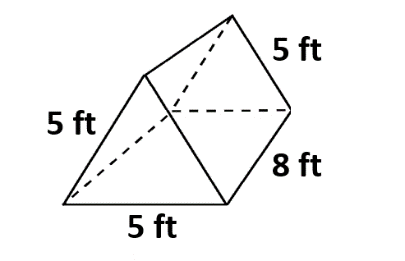
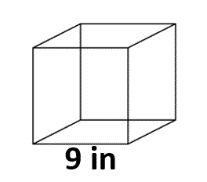
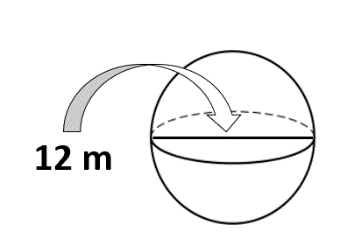
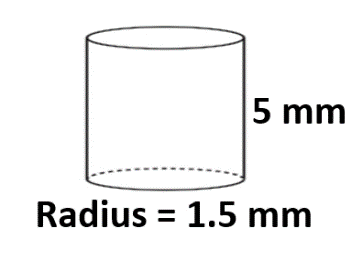
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8.12 Unit 8 Test Review

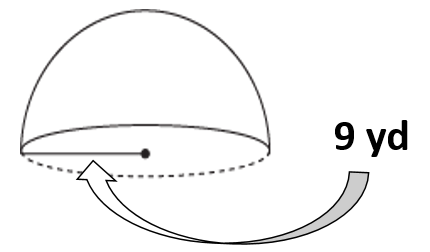
**Directions: Find the volume of each shape with the given information.**

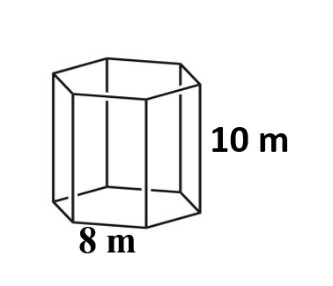


1) 2) 3) Cube



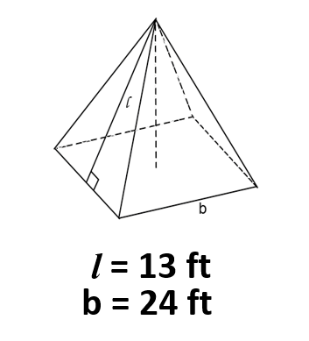
4) 5) The height is double 6) the radius.



7) Regular (square) Pyramid 8) Regular Prism 9)

with base edges of 24 ft &

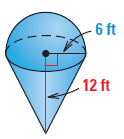
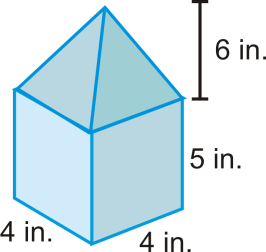
height of 13 ft.



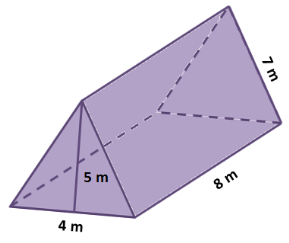
10) The volume of a ball is 972 cm3. What is the radius of this ball to the nearest tenth?

11) The circumference of the Earth is estimated to be about 7920 miles. What is the estimated volume of the Earth?

**Directions: Find the volume for each composite figure.**

12) 13)

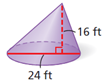
13) A regular pentagonal (5 sides) prism has an apothem of 3 inches and a height of 5 inches. What is the volume of the pentagonal prism?



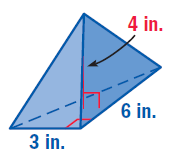
**12 ft**

**23 ft**

**12 ft**

14) Find the volume of each figure.





**ft**

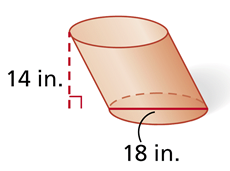
**ft**

**ft**

**2**

**2**

**1**









**ft**

**2**

**ft**

**ft**

15) Find the area of the vertical cross section of a cone whose radius is 8 and height is 10.

16) A cube has an edge length of 6.5 in. If the dimensions of the cube are multiplied by describe the effect on the volume.

17) The volume of a cylinder is 490 . The radius of the cylinder is 7. What is the height of the cylinder?