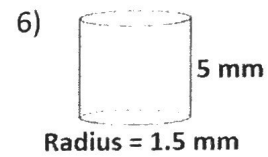
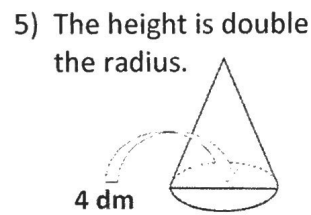
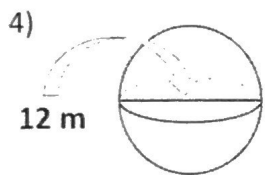
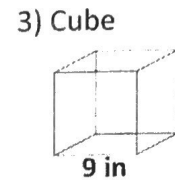
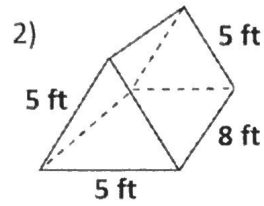
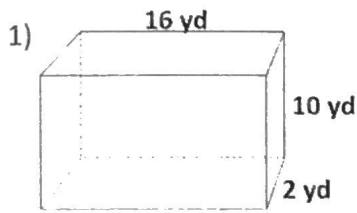
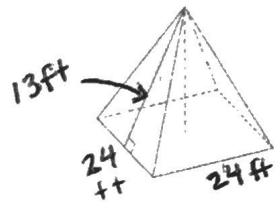


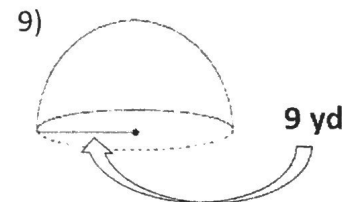
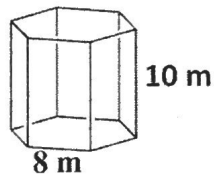
Directions: Find the volume of each shape with the given information.



7) Regular (square) Pyramid



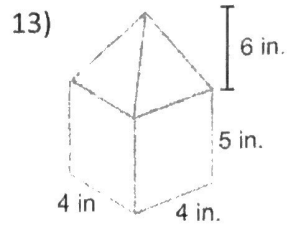
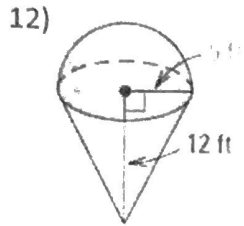
8) Regular Prism



10) The volume of a ball is  $972\pi \text{ cm}^3$ . What is the radius of this ball to the nearest tenth?

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

Directions: Find the volume for each composite figure.

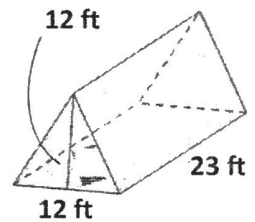
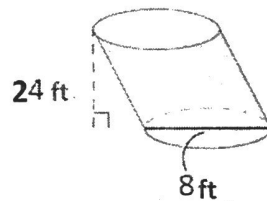
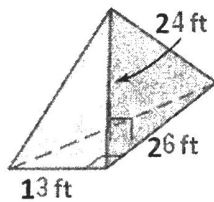
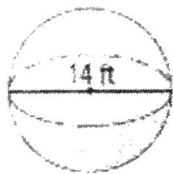
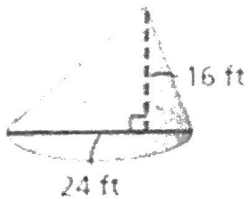


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13) A regular pentagonal (5 sides) prism has an apothem of 3 inches and a height of 5 inches. What is the volume of the pentagonal prism?

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14) Find the volume of each figure.



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15) What is the volume of a rectangular prism that has a height that is 12 inches, a width that is half the height, and a length that is four inches longer than the width?

16) A cube has an edge length of 6.5 in. If the dimensions of the cube are multiplied by  $\frac{1}{5}$  describe the effect on the volume.