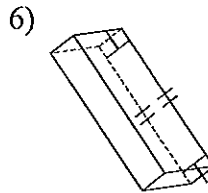
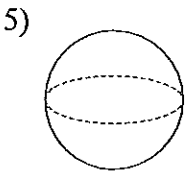
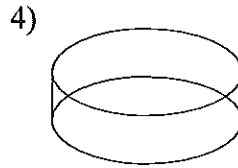
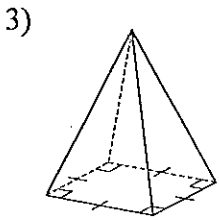
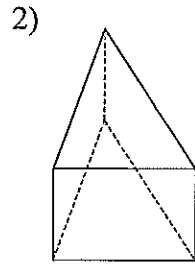
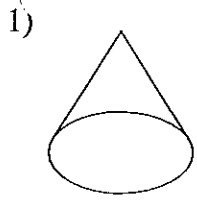


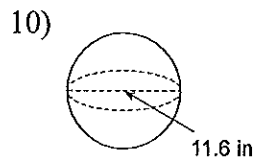
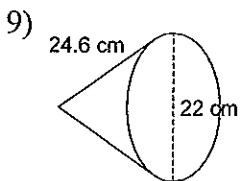
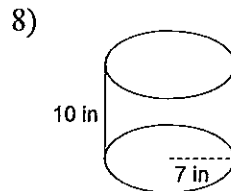
G8: Solids Pre-Assesment

Name each figure.



Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

7) A square pyramid measuring 4 yd along the base with a slant height of 6.3 yd.

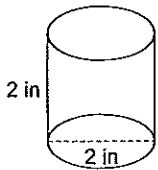


Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

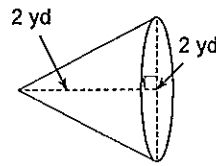
11) A sphere with a diameter of 12.4 km.

12) A prism measuring 8 in tall with a triangular base whose sides measure 11 in, 10 in, and 6 in. In the base, the distance from the 11 in side to the opposite vertex is 5.4 in.

13)



14)



Use the descriptions below to find the unknown dimension.

15) Find the radius of the cylinder that has a surface area of 200π square cm and a height of 21 cm.

16) Find the height of a cone that has a volume of 6545 cubic meters and a radius of 25 meters.