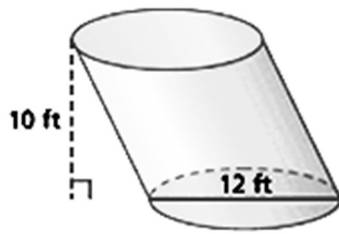
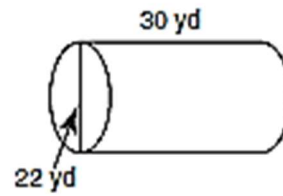

Volume of Cylinders and Cones

1. Find the volume of the cylinder.



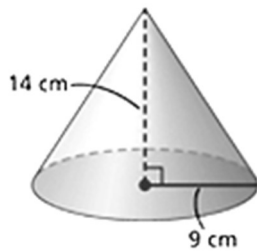
2. Find the volume of the cylinder.



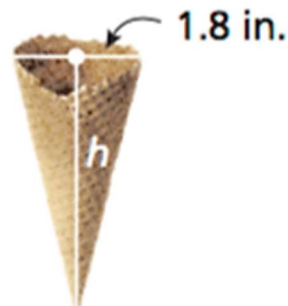
3. Find the volume of a cylinder with base area 25π cm² and height 3 cm more than the radius.

4. Find the diameter of the base of a cylinder with a volume of 400 in³ and a height of 10 in.

5. Find the volume of the cone.



6. The volume of the ice cream cone is 3.6 in³ find the height.



GSE Geometry

Circles and Volume

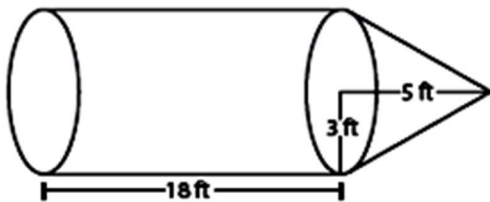
Practice

7. Find the volume of a right cone with a diameter of 5 cm and a height of 2 cm.

8. Find the height of a cone with a volume of 686 mm^3 and a radius of 14 mm.

9. A cone just fits inside a cylinder with a volume of 870 in^3 . What is the volume of the cone?

10. The science club has designed a model rocket as shown in the diagram below. What is the volume of the rocket?



CHALLENGE: Determine the volume of the following.

