Name: _____
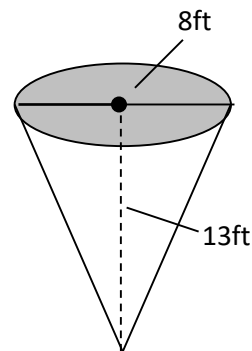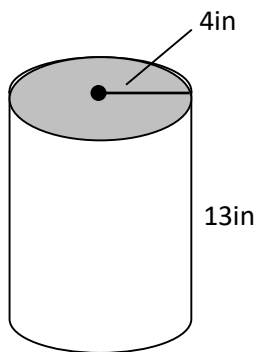
Pyramid and Cone

Exercise 1: The base of a pyramid is a triangle with a base of 12 inches and a height of 8 inches. The height of the pyramid is 10 inches. Find the volume of the pyramid.

Exercise 2: Sami has two choices of paint to buy, the new paint that comes in a fancy cone-shaped container for $14.95 and the Home Depot brand come in a cylinder for $21.85. If the containers have the following dimension, which one would you say has the better buy?

4in

13in

8ft

13ft

Exercise 3: Find the height of a cone that has a radius of 2 cm and a volume of 23 cm^3.

Exercise 4: A cylinder has a volume of 2120.6cm^3 and a base radius of 5 cm. What is the volume of a cone with the same height but a base radius of 2.5 cm?