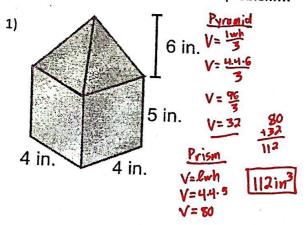
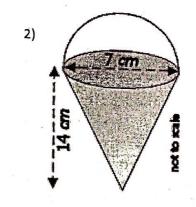
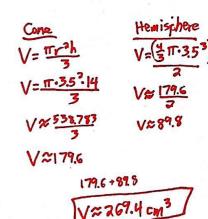
Name:

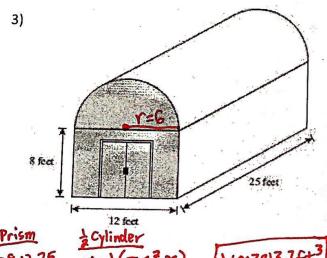
## Worksheet: Volume Practice

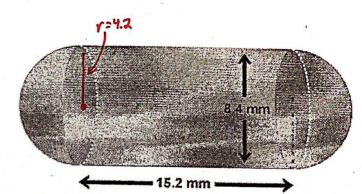
You must show your work for each problem!!!

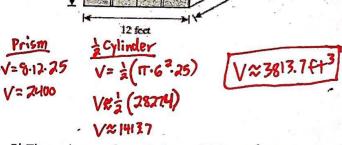


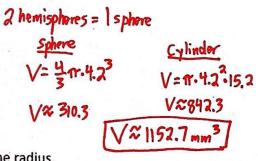








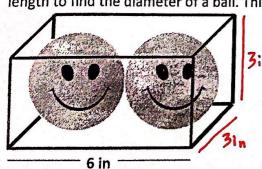




5) The volume of a cylinder is  $2156\pi$  in<sup>3</sup>. The height is 11 in. Find the radius.

4)

6) Below is a box with 2 smiley face balls inside. They fit snugly inside the box – the sides of each ball touch the top, bottom, front, back, and both sides of the box. What is the volume of the empty space in the box? (Hint: use the given length to find the diameter of a ball. This can help you find the other dimensions of the box)



Box - 2 spheres
$$\frac{Box}{V=6\cdot 3\cdot 3}$$

$$V=54 in^{3}$$

diameter of 1 ball = 3 in