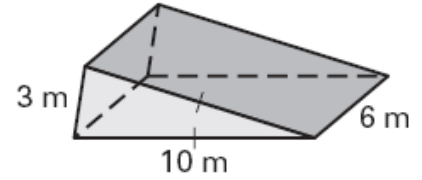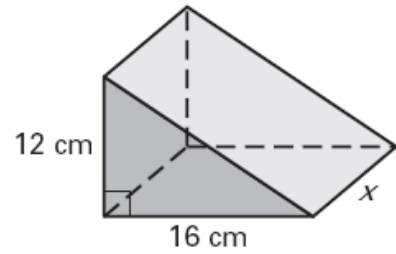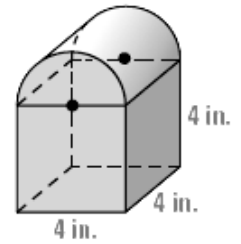Name _____

1 Find the volume of the figure to the right.
   Round your answer to 3 decimal places, if necessary.
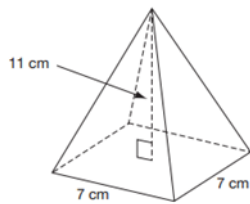
3 m

6 m

10 m

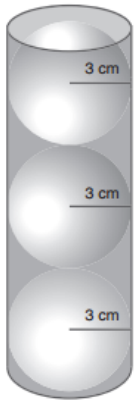2. Solve for the height, given the volume is 768 cm³.

12 cm

16 cm

x

3.   Find the volume of the solid. Round your answer to three
decimal places, if necessary.

4 in.

4 in.

4 in.

4. Find the volume of the square pyramid below.

11 cm

7 cm

7 cm

5. A can holds 3 tennis balls as shown in the figure. The radius of each tennis ball is 3 centimeters.

3 cm

3 cm

3 cm

A)   What is the total volume all 3 tennis balls take up?

B)   What is the volume of the can?

C)   What is the volume of the can **not** taken up by the tennis balls?

6. A solid metal cylinder with radius 2 cm and height of 6 cm is melted down and recast as a solid cone with a radius of 3 cm. What is the height of the cone?