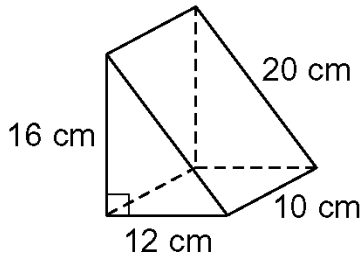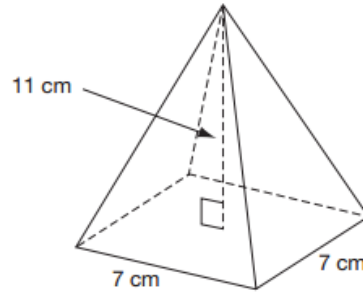Progress Check – Volumes of Three-Dimensional Solids   Name _____

1) Find the volume of the triangular prism.   2) Find the volume of the square pyramid.
                                                         Round your answer to the nearest hundredth.

20 cm

16 cm

10 cm

12 cm

11 cm

7 cm

7 cm

_____   _____

3) Find the height of a cylinder with a volume of 500 yd³ and a radius of 8 yd. Round your answer to the nearest hundredth.

_____

Progress Check – Volumes of Three-Dimensional Solids   Name _____

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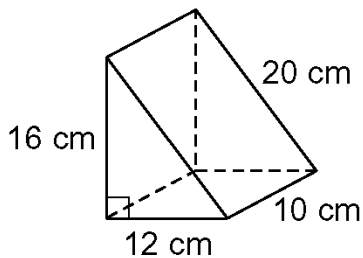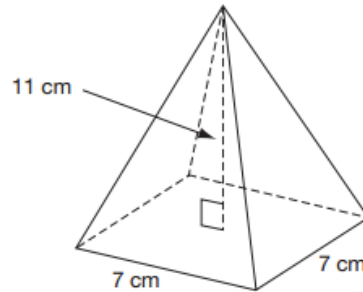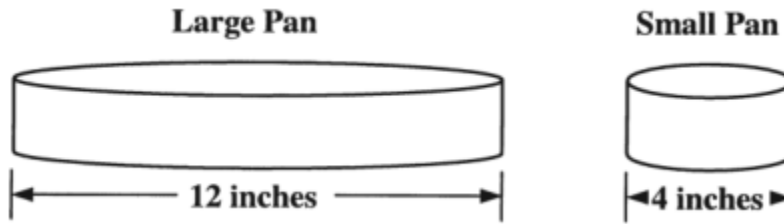   Round your answer to the nearest hundredth.

20 cm

16 cm

10 cm

12 cm

11 cm

7 cm

7 cm

_____   _____

3) Find the height of a cylinder with a volume of 500 yd³ and a radius of 8 yd. Round your answer to the nearest hundredth.

_____

4) Mrs. Olivares' consumer science class is making two different-size cheesecakes for a fundraiser.
   - The large cheesecake pan has a diameter of 12 inches
   - The small cheesecake pan has a diameter of 4 inches

Large Pan   **Small Pan**

12 inches   4 inches
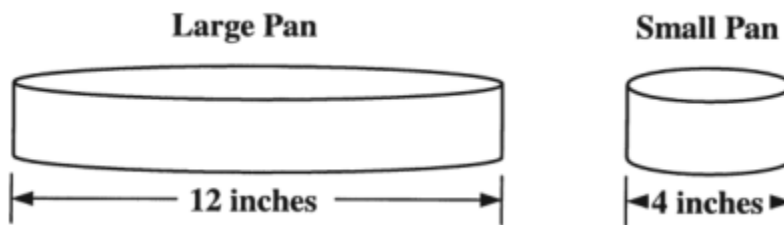
If the pans are both 3 inches deep, how many times greater is the volume of the large pan than that of the small pan?

Show all work!