

# Warmup 3/(# of vowels in the alphabet + # of consonants in the alphabet)

**PAPER RETURNERS – PLEASE RETURN THE PAPERS!!!**

The quiz is tomorrow, and you will not get these formulas on the quiz. (You also won't get them on TNReady!) Let's see if you are ready – write down each formula WITHOUT LOOKING IT UP. See if you remember them all!

- 1) Area of a circle
- 2) Circumference of a circle
- 3) Volume of a rectangular prism
- 4) Volume of a triangular prism
- 5) Volume of a cylinder
- 6) Volume of a cone
- 7) Volume of a rectangular pyramid
- 8) Volume of a sphere

$$A = \pi r^2$$

$$C = 2\pi r \text{ or } C = \pi d$$

$$V = lwh$$

$$V = \left(\frac{1}{2}bh_1\right)h_2$$

$$V = \pi r^2 \cdot h$$

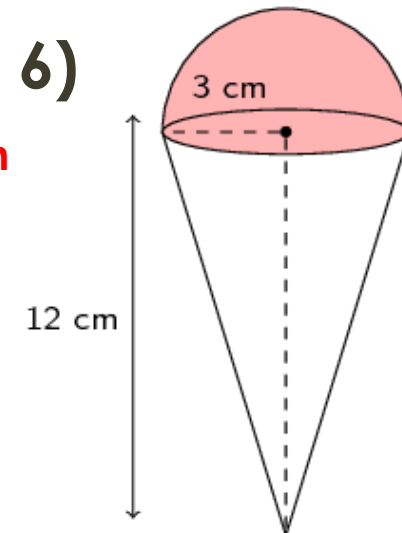
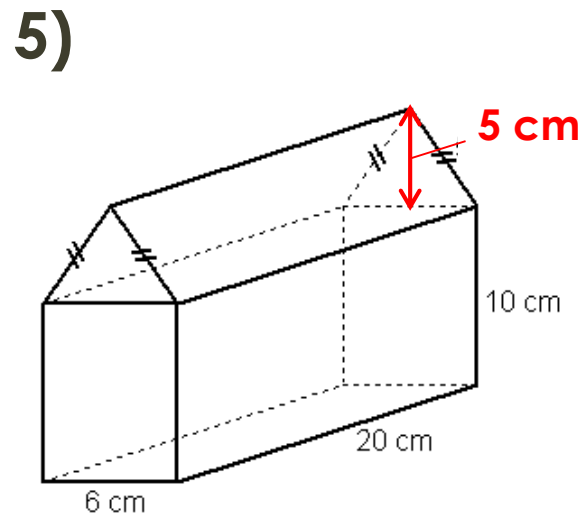
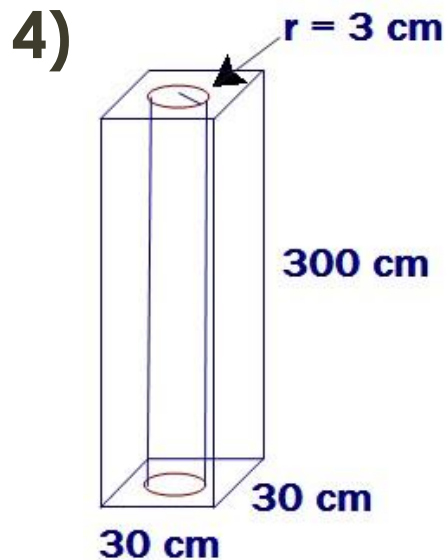
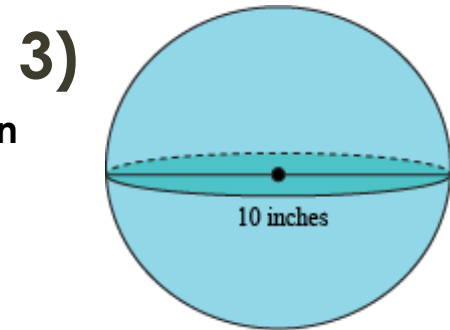
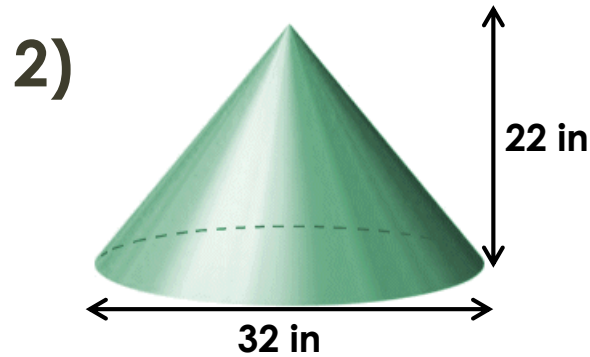
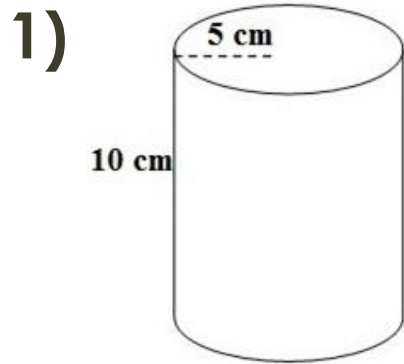
$$V = \frac{1}{3}\pi r^2 \cdot h$$

$$V = \frac{1}{3}lwh$$

$$V = \frac{4}{3}\pi r^3$$

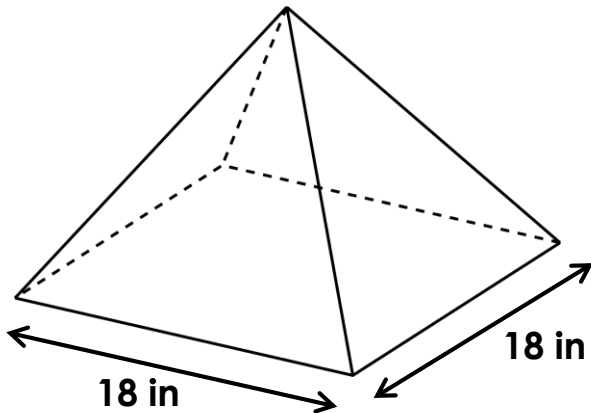
# EXTRA PROBLEMS

- Find the volume of each. When I OK your answer, move on to the next.



# MORE EXTRA PROBLEMS

7) The volume is  **$2268 \text{ in}^3$** . Find the height.



8) The circumference of a circle is  **$6\pi$**  feet. Find the area. Write it as an **exact** answer.

9) A ball with a radius of  **$4 \text{ cm}$**  is inside a cube. The ball touches all sides of the cube. What is the volume of the empty space inside the cube?

