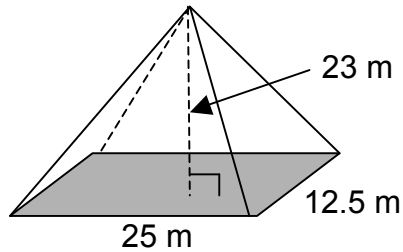


Write the equation to find the volume of each solid. Round to the nearest tenth.

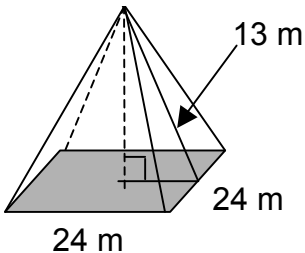
1. eq _____

V = _____



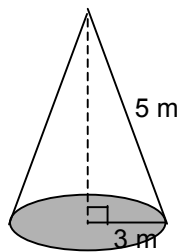
2. eq _____

V = _____



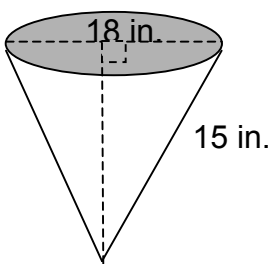
3. eq _____

V = _____
Answer in terms of pi.



4. eq _____

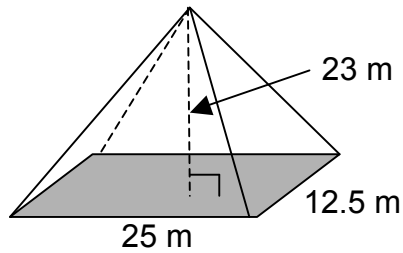
V = _____
Answer in terms of pi.



Write the equation to find the volume of each solid. Round to the nearest tenth.

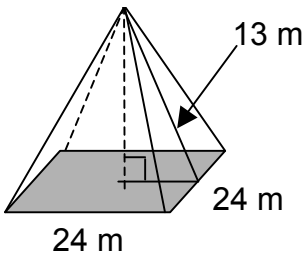
1. eq _____

V = _____



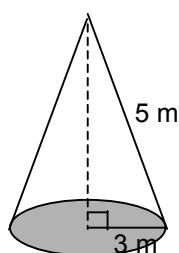
2. eq _____

V = _____



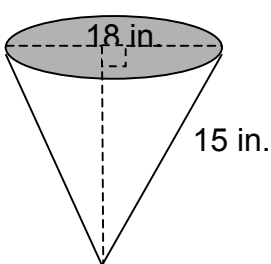
3. eq _____

V = _____
Answer in terms of pi.



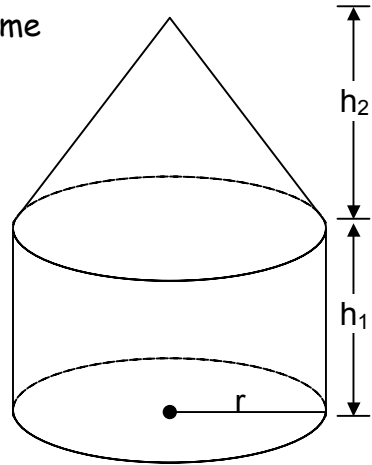
4. eq _____

V = _____
Answer in terms of pi.



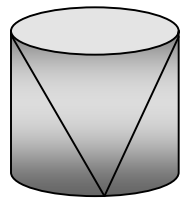
5. Which formula can be used to find the volume of the composite solid figure represented in the drawing?

- a. $V = \frac{1}{3}\pi r^2(h_1 + h_2)$
- b. $V = \frac{1}{3}\pi r^2h_1 + h_2$
- c. $V = \pi r^2(h_1 + h_2)$
- d. $V = \pi r^2h_1 + \frac{1}{3}\pi r^2h_2$



5. _____

6. A sculptor wants to remove stone from a cylindrical block 3 feet high and turn it into a cone. The diameter of the base of the cone and cylinder is 2 feet. What is the volume of the stone that the sculptor must remove? (Use 3.14 for π .)



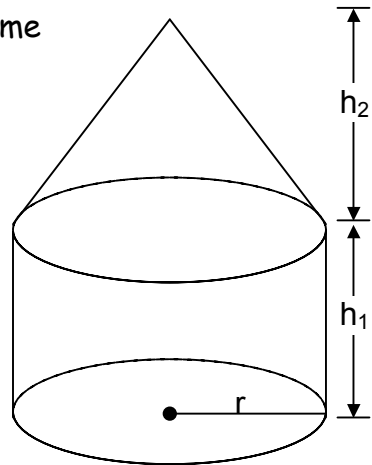
6. _____

7. A pyramid has a right triangle as its base. The legs are 10 cm and 20 cm, and the volume of the pyramid is 600 cm³. Find the altitude of the pyramid.

7. _____

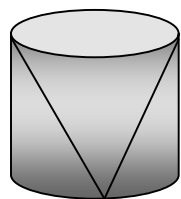
5. Which formula can be used to find the volume of the composite solid figure represented in the drawing?

- e. $V = \frac{1}{3}\pi r^2(h_1 + h_2)$
- f. $V = \frac{1}{3}\pi r^2h_1 + h_2$
- g. $V = \pi r^2(h_1 + h_2)$
- h. $V = \pi r^2h_1 + \frac{1}{3}\pi r^2h_2$



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