

# 11-5

## Practice

Form K

### Volumes of Pyramids and Cones

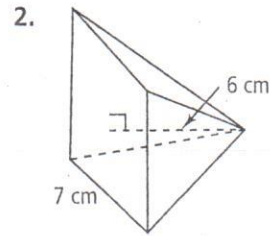
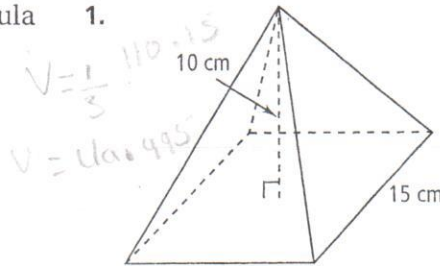
$$V = Bh$$

$V = \text{area of the base} \cdot h$

Find the volume of each square pyramid. Round to the nearest tenth if necessary.

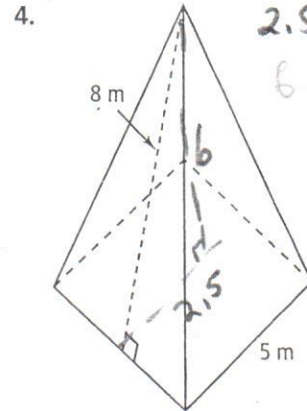
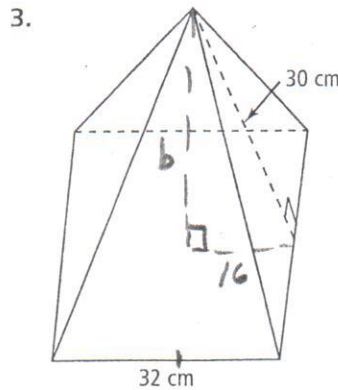
To start, use the formula for the volume of a pyramid. Then find the area of the base of the pyramid.

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



Find the volume of each square pyramid, given its slant height. Round to the nearest whole number.

To start, find the height of the pyramid using the Pythagorean Theorem. Then use the formula for the volume of a pyramid.

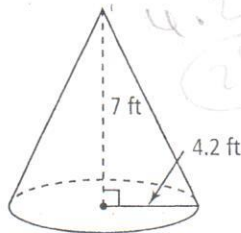


5. The base of a pyramid is a square, 24 cm on a side. The height is 13 cm. Find the volume.

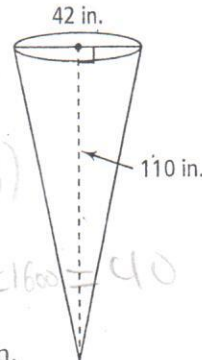
6. The base of a pyramid is a square, 14 cm on a side. The height of the pyramid is 25 cm. Find the volume to the nearest whole number.

Find the volume of each cone in terms of  $\pi$  and also rounded as indicated.

7. nearest cubic foot



8. nearest cubic inch



9. The base has a radius of 8 cm and a height of 5 cm.

10. The base has a diameter of 20 m and a height of 12.6 m.