4 - 8 Volume of Pyramids and Cones

volume of a pyramid

B: area of base

Q×W

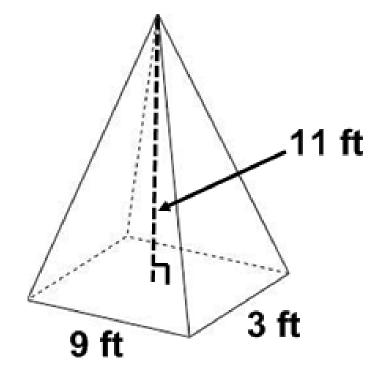
Ex: A <u>rectangular</u> pyramid has a base 6 in. long and 4 in. wide. Its height is 8 in. Find the volume.

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

$$= \frac{1}{3}(6.4).8$$

$$= 64 in^{3}$$

Ex:

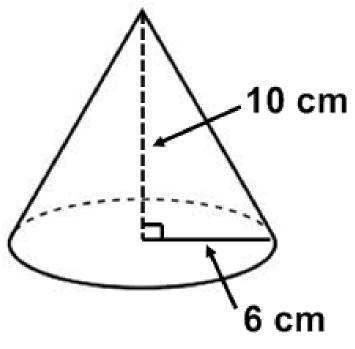


$$V = \frac{1}{3}Bh$$

= $\frac{1}{3}(9.3).11$
= 9943

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

Ex:



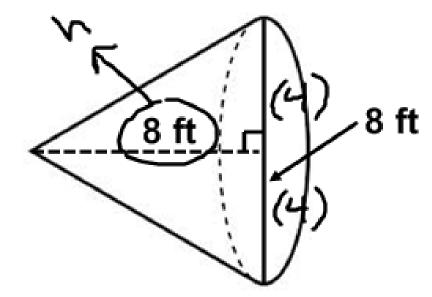
$$V = \frac{1}{3}\pi r^{2}h$$

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Ex:



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

$$V = \frac{1}{3} \pi r \cdot 4^2 \cdot 8$$

$$V = \frac{1}{3} 4 \cdot 04 + 43$$

Homework:

p.190 #12 - 17