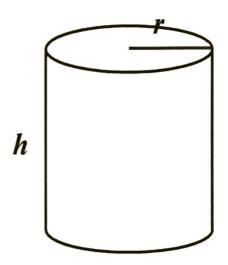
Unit 9

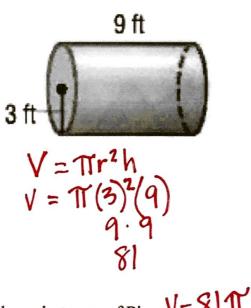
Volume of a Cylinder:

$$V = \pi^2 h$$



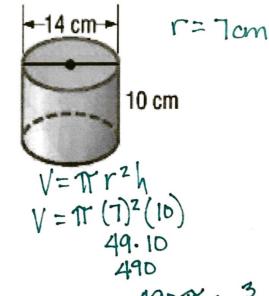
Find the volume of the cylinders. Express your answer in terms of pi and an approximation rounded to the nearest tenth. Label your units appropriately.

Ex. 5



Volume in terms of Pi V=817 H³

Ex. 6



Volume in terms of Pi 49011 cm

Approximate Volume 254.5 ft³

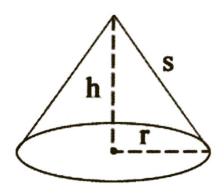
Approximate Volume 1539. 4 cm³

Volume is always units3

Unit 9

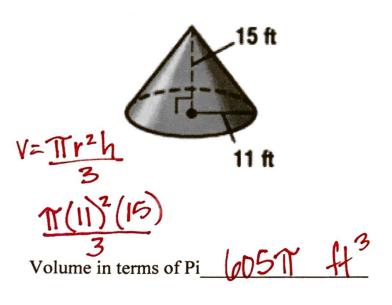
Volume of a Cone:

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

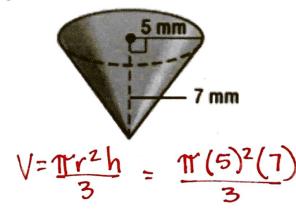


Find the volume of the cones. Express your answer in terms of pi and an approximation rounded to the nearest tenth. Label your units appropriately.

Ex. 7



Ex. 8



Volume in terms of Pi 58.3 1 mm³

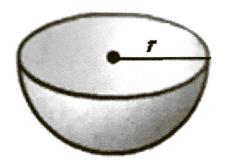
Approximate Volume 1900.7 H³

Approximate Volume 183.3 mm³

Unit 9

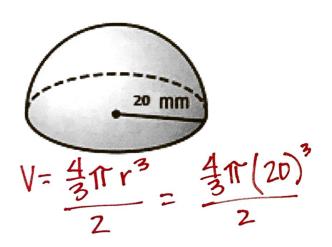
Volume of a Hemisphere:

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

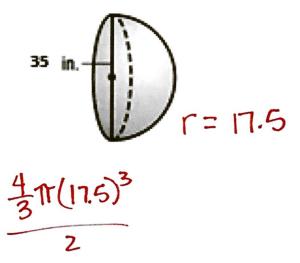


Find the volume of the hemisphere. Express your answer as an approximation rounded to the nearest tenth. Label your units appropriately.

Ex. 11



Ex. 12



Approximate Volume 11,755. 2 mm³ Approximate Volume 11,224. 6 in³