Day 9: Volume - Cylinder Lesson

Finding volume: Plug into the formula:
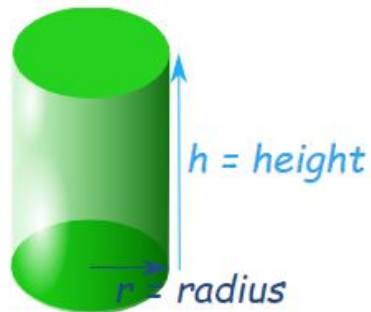
$$V = Bh$$

Note: The volume V of all prisms and cylinders is $V = Bh$ where B is the area of the base and h is the height of the prism or cylinder.
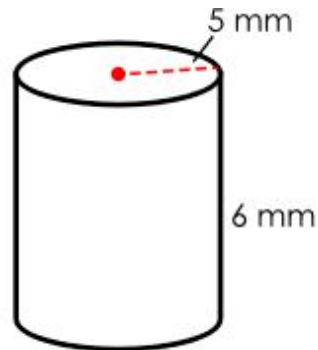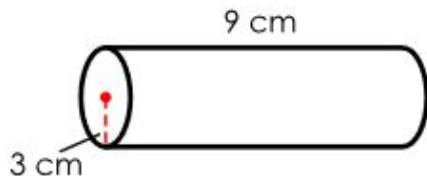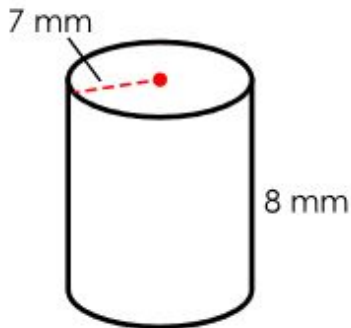
Volume $= \pi \times r^2 \times h$

Example: h = 7 and r = 2

Volume $= \pi \times r^2 \times h$

$= \pi \times 2^2 \times 7$

$= 28\pi$

≈ 87.96

h = height

r = radius

Find the volume of each cylinder. Use 3.14 for π. Round your answer to the nearest tenth.

7 mm

8 mm

9 cm

3 cm

5 mm

6 mm