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Volume of a Cylinder

$$V = \pi r^2 h$$

$$\pi = 3.14$$

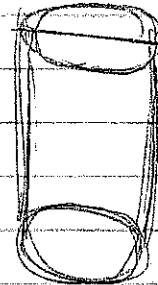
r = radius

h = height

$$V = (3.14) \cdot (4)^2 \cdot (10)$$

$$V = 3.14 \cdot 16 \cdot 10$$

$$V = 502.4$$



8 in (diameter)
4 is radius

10 in

$$V = 3.14 \cdot (5)^2 \cdot 8.3$$

$$= 3.14 \cdot 25 \cdot 8.3$$

$$V = 651.55$$



5

8.3

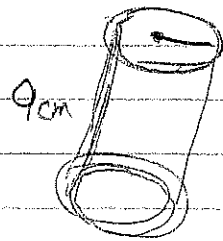
$$V = 3.14 \cdot (5.5)^2 \cdot 9$$

$$3.14 \cdot 30.25 \cdot 9$$

$$V = 854.865$$

$$r = 5.5 \text{ cm}$$

$$h = 9 \text{ cm}$$



5.5

9 cm