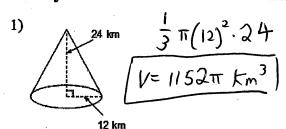
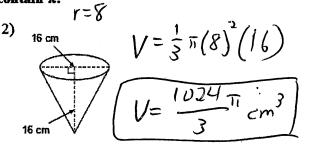
12-4 and 12-5 Volume of Cylinders and Cones

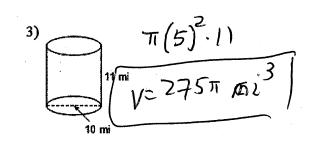
 $V_{cylinder} = \pi r^2 h$ $V_{cone} = \frac{1}{3} \pi r^2 h$

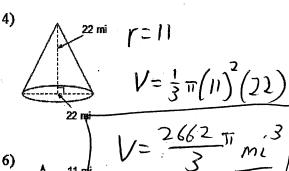
Key

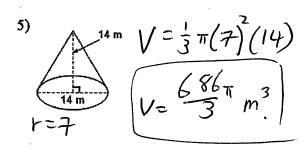
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary Leave your answers in terms of π for answers that contain π .

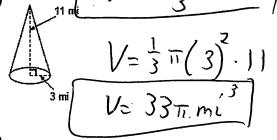


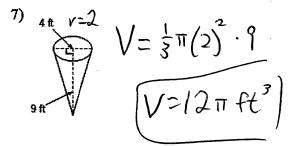


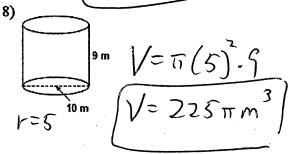


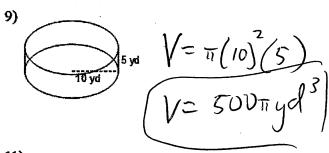


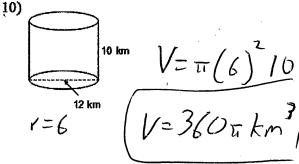


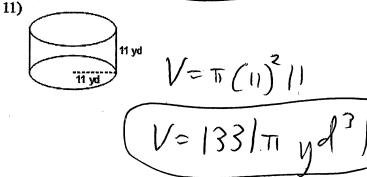












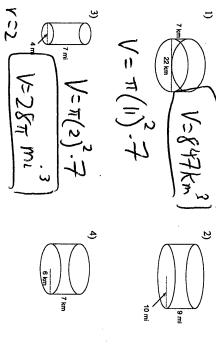
(1)

Geometry

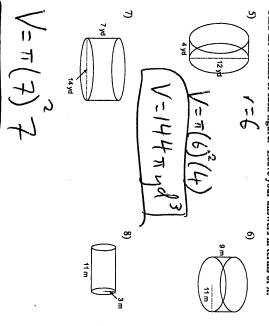
Volume of Cylinders and Cones

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Find the volume of each figure. Round your answers to the nearest tenth, if necessary.



Find the volume of each figure. Leave your answers in terms of π_*



Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

11)
$$2\pi^{m}$$
 $\sqrt{2} \frac{1}{3} \pi (4)^{2} (8)$ $\sqrt{2} \frac{100}{3} \pi (11)^{10} (21)$ $\sqrt{2} \frac{1}{3} \pi (11)^{10} (21)$

Find the volume of each figure. Leave your answers in terms of π . Use fractions instead of decimals, when necessary.

13)
$$V=\frac{1}{3}\pi \left(\frac{1}{3}\pi \left(\frac{1}{3}\right)^{1/2}\right)^{1/2}$$

$$V=\frac{1}{3}\pi \left(\frac{1}{3}\pi \left(\frac{3}{3}\right)^{1/2}\right)^{1/2}$$

$$V=\frac{1}{3}\pi \left(\frac{3}{3}\pi \left(\frac{3}{3}\right)^{1/2}\right)^{1/2}$$

$$V=\frac{1}{3}\pi \left(\frac{3}{3}\pi \left(\frac{3}{3}\right)^{1/2}\right)^{1/2}$$

V=1867 4.