

$$SA = \pi r^2 + \pi r s$$

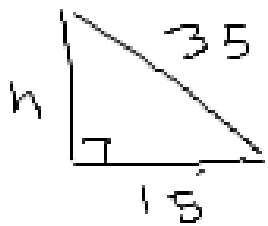
$$35 \text{ cm} \quad SA = \pi (15)^2 + \pi (15)(35)$$

$$SA = 706.85 + 1649.34$$

$$SA = 2356.2 \text{ cm}^2$$

$$V = \frac{1}{3} (\text{area of base}) \times h$$

$$V = \frac{\pi r^2 \cdot h}{3} = \frac{\pi (15)^2 (31.62)}{3}$$



$$c^2 = a^2 + h^2$$

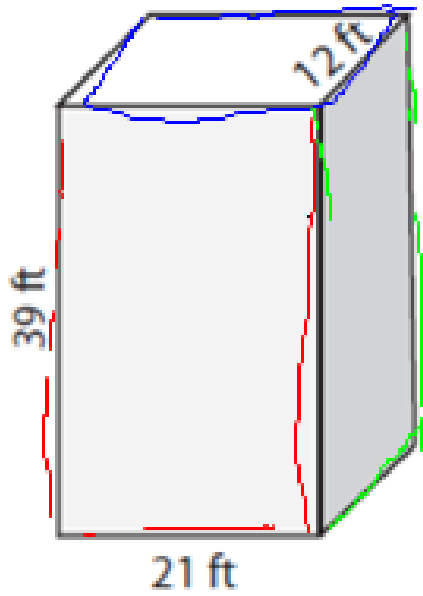
$$c^2 - a^2 = h^2$$

$$(35)^2 - (15)^2 = h^2$$

$$\sqrt{1000} = \sqrt{h^2}$$

$$h = 31.62 \dots$$

$$V = 7450.9 \text{ cm}^3$$

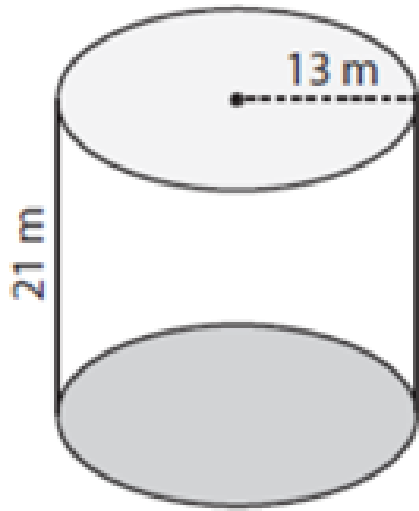


$$SA = 2 \begin{array}{|c|} \hline 21 \\ \hline 12 \\ \hline \end{array} + 2 \begin{array}{|c|} \hline 39 \\ \hline 21 \\ \hline \end{array} + 2 \begin{array}{|c|} \hline 39 \\ \hline 12 \\ \hline \end{array}$$

$$\begin{aligned} SA &= 2(l \cdot w) + 2(l \cdot h) + 2(w \cdot h) \\ &= 2(21 \cdot 12) + 2(39 \cdot 21) + 2(39 \cdot 12) \\ &= 504 + 1638 + 936 \end{aligned}$$

$$SA = 3078 \text{ ft}^2$$

$$V = l \cdot w \cdot h = \text{ft}^3$$



$$SA = 2\pi r^2 + 2\pi rh$$

2 circles

$$SA = 2\pi(13)^2 + 2\pi(13)(21)$$

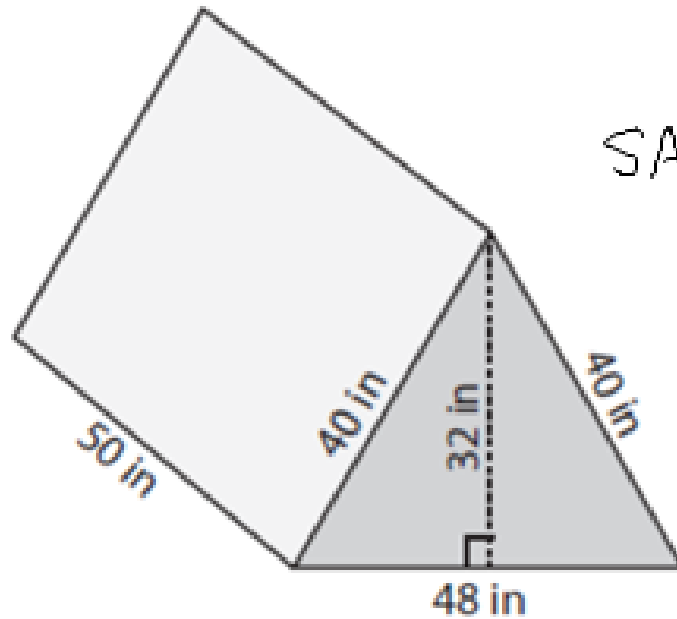
$$SA = 2777.16 \text{ m}^2$$

$$V = (\text{area of base}) \times h$$

$$V = \pi r^2 h = \pi(13)^2 \cdot 21$$

$$V = 1149.51 \text{ m}^3$$

Calculate SA



$$SA = 2 \left(\frac{bh}{2} \right) + 2(lw) + lw$$

The diagram shows a triangle with a base of 48 and a height of 32. To the right, there are two rectangles: one with dimensions 50 by 40, and another with dimensions 50 by 48.

$$SA = 2 \left(\frac{bh}{2} \right) + 2(lw) + lw$$

$$SA = 7936 \text{ in}^2$$