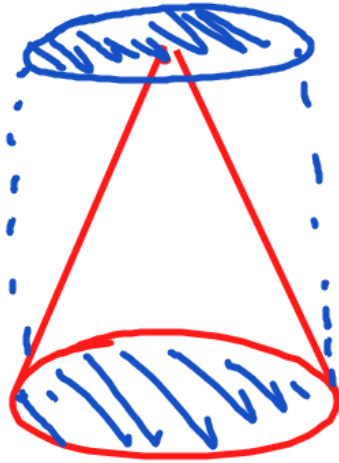
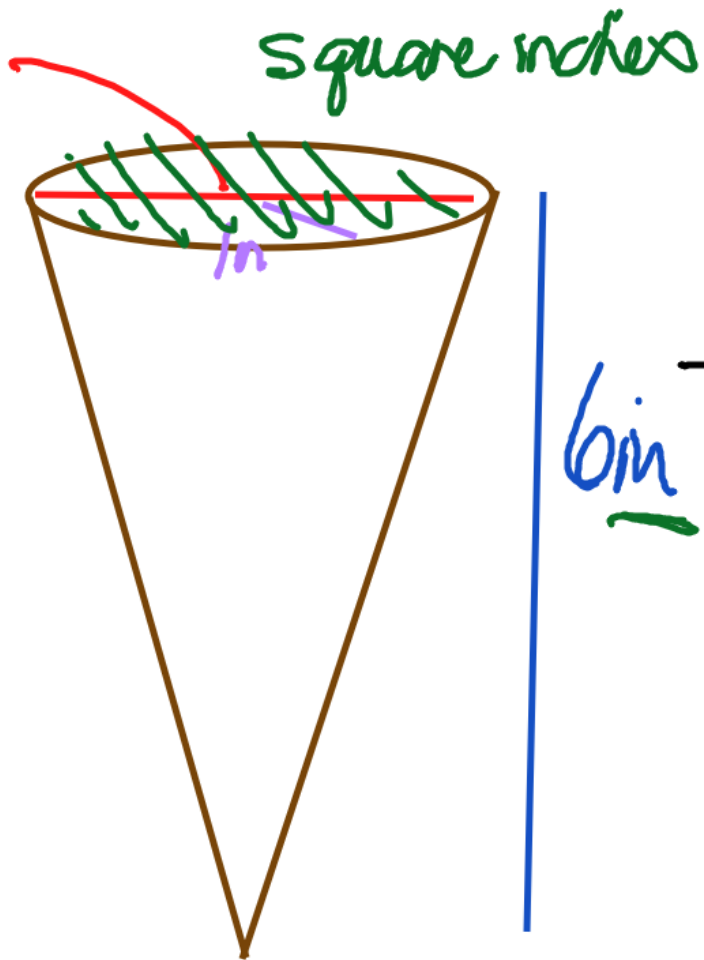


Pyramids + Cones



$$V_{\text{cone}} = \frac{1}{3}(\pi r^2 \cdot h)$$

2 in



$$V = \frac{1}{3} B \cdot h$$
$$V = \frac{1}{3} \pi r^2 \cdot h$$

6 in

$$V = \frac{1}{3} (\pi \cdot 1^2) \cdot 6$$

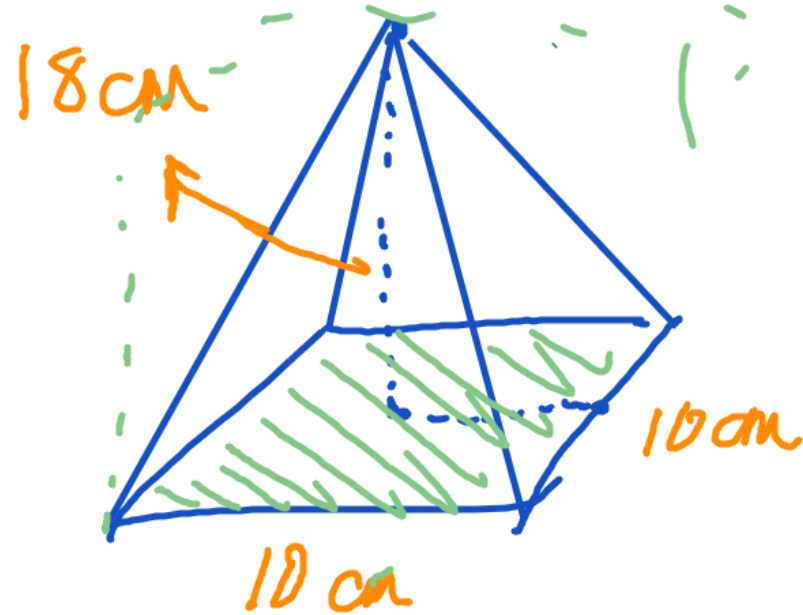
$$= 2\pi$$

$$\approx 6.28 \text{ in}^3$$

Cubic inches

Pyramids

$$\begin{aligned} V &= \frac{1}{3} B \cdot h \\ &= \frac{1}{3} (100) (18) \\ &\quad \text{cm}^2 \quad \text{cm} \\ &= 600 \text{ cm}^3 \end{aligned}$$



SURFACE AREA

SA = B + 4 TRIANGLES

$= B + 4 \left(\frac{1}{2} s l \right)$

$SA = B + \frac{1}{2} pl$

$= 100 + \frac{1}{2} (40) 18.68$
 $= 473.6 \text{ cm}^2$

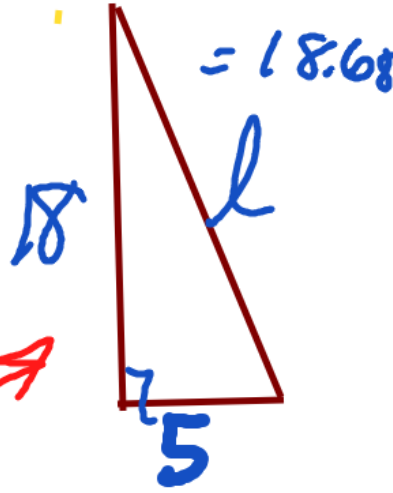


$A = \frac{1}{2} b \cdot h$
 $= \frac{1}{2} s \cdot l$

(slant height)

$10 \text{ cm} = s$

$4s = p$



$10 \text{ cm } s$

$5^2 + 18^2 = l^2$

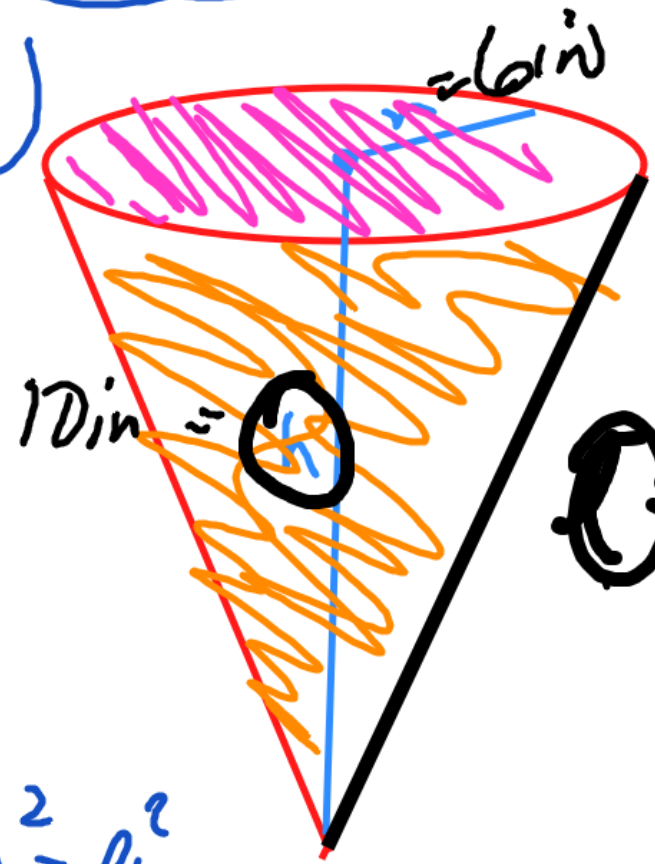
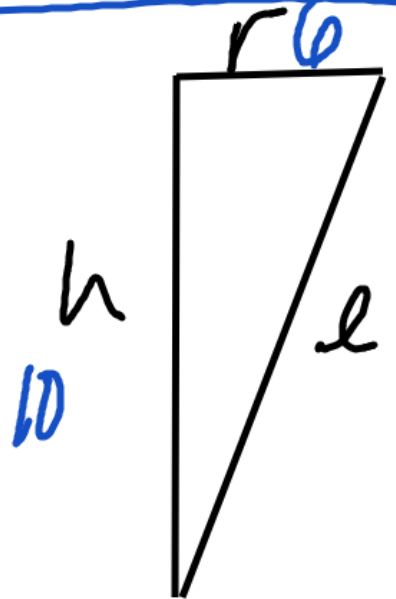
$25 + 324 = l^2 = 349$

$$36\pi + \frac{69.97\pi}{20\pi} = 106\pi \text{ m}^2$$

Con

$$SA = \pi(6^2) + \pi(6)(11.66)$$

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



\odot slant height

$$6^2 + 10^2 = l^2$$

$$36 + 100 = l^2 = 136$$

$$l \approx 11.66 \text{ in}$$

Pick one

→ ① p884 5-10, 17-24

② KUTA Surface Area - Pyramid / Cones

→ ③ KUTA Volume - P/C