

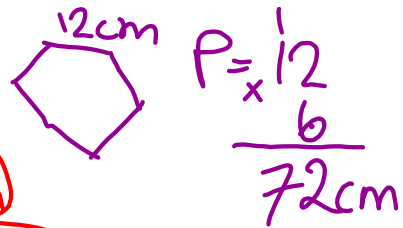
P195  
④

① Base  $\rightarrow$  Hexagon } Side length = 12cm  
apothem = 10.4cm

$$A_b = \frac{P \cdot a}{2}$$

$$A_b = \frac{(72\text{cm})(10.4\text{cm})}{2}$$

$$A_b = 374.4\text{cm}^2$$



$$P = \frac{12}{6} \times 6 = 72\text{cm}$$

② Area of 1 Triangle (6 TOTAL)

$$A = \frac{bh}{2}$$

$$\text{Base} = 12\text{cm}$$

$$\text{Height of } \Delta = 15\text{cm}$$

$$A = \frac{(12\text{cm})(15\text{cm})}{2} \text{ (equiv. to slant height of pyramid)}$$

$$A = \frac{180\text{cm}^2}{2}$$

$$A = 90\text{cm}^2$$

Area of 6 triangles (all the lateral faces) =

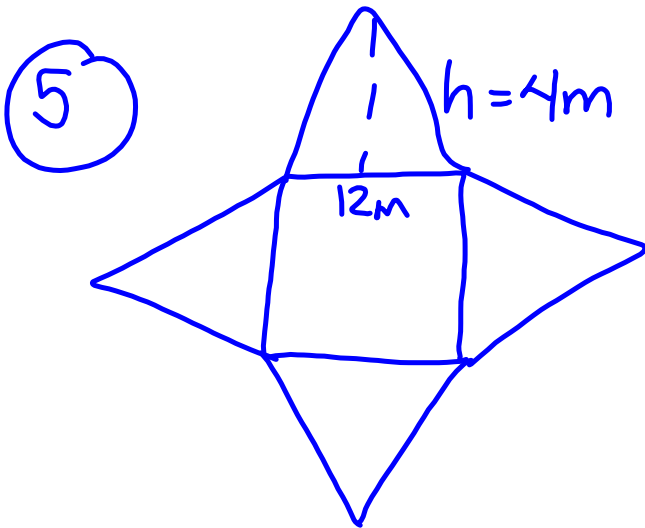
$$A = 90\text{cm}^2 \times 6$$

$$A = 540\text{cm}^2$$

③  $A_T = A_b + A_L$

$$= 374.4\text{cm}^2 + 540\text{cm}^2$$

$$= 914.4\text{cm}^2$$



① One  $\Delta$

$$A = \frac{b \times h}{2}$$

$$A = \frac{12m \cdot 4m}{2}$$

$$A = 24m^2$$

$$\begin{aligned} A_L &= 4 \Delta's \\ &= (24m^2)(4) \\ &= 96m^2 \end{aligned}$$

② 1L covers  $3m^2$

$$?L \rightarrow 96m^2$$

$$96 \div 3 = 32L$$

③ 1L  $\rightarrow$  \$18

32L  $\rightarrow$  ?

$$32 \times 18 = \$576$$