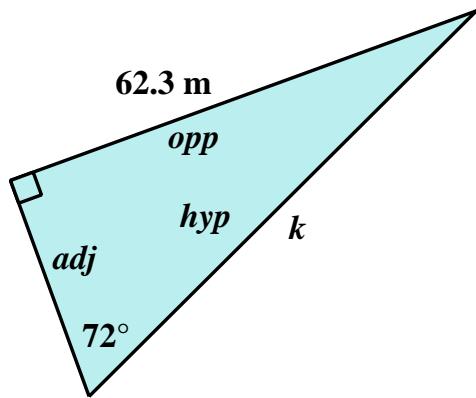
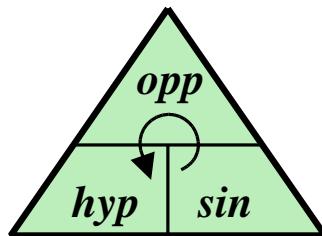


Answer 5**(i)****(ii)** SOH CAH TOA**(iii)** SOH CXH TOX**(iv)****(v)**

$$hyp = \frac{opp}{\sin 72}$$

$$k = \left(\frac{62.3}{0.951} \right)$$

$$k = 65.5 \text{ cm}$$

(vi)

$$\begin{aligned} adj^2 &= hyp^2 - opp^2 \\ &= 65.5^2 - 62.3^2 \\ &= 4291.0 - 3881.3 \\ &= 409.7 \\ \therefore adj &= 20.2 \text{ cm} \end{aligned}$$

(vii)

$$\begin{aligned} P &= 65.5 + 62.3 + 20.2 \\ &= 148.0 \text{ cm} \end{aligned}$$