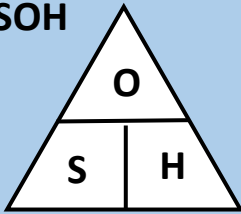
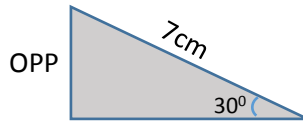


# SOHCAHTOA

SOH



$$\sin = \frac{\text{opposite}}{\text{hypotenuse}}$$

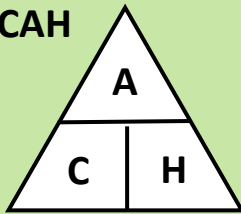


$$\sin 30 = \frac{OPP}{7}$$

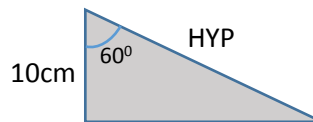
$$\sin 30 \times 7 = OPP$$

$$OPP = 3.5 \text{ cm}$$

CAH



$$\cos = \frac{\text{adjacent}}{\text{hypotenuse}}$$

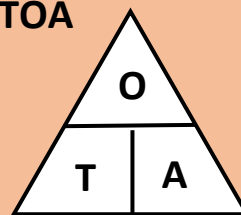


$$\cos 60 = \frac{10}{HYP}$$

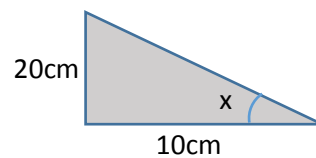
$$10 \div \cos 60 = HYP$$

$$HYP = 20 \text{ cm}$$

TOA



$$\tan = \frac{\text{opposite}}{\text{adjacent}}$$



$$\tan x = \frac{20}{10}$$

$$\tan^{-1} \left( \frac{20}{10} \right) = x$$

$$x = 63.4^\circ$$

