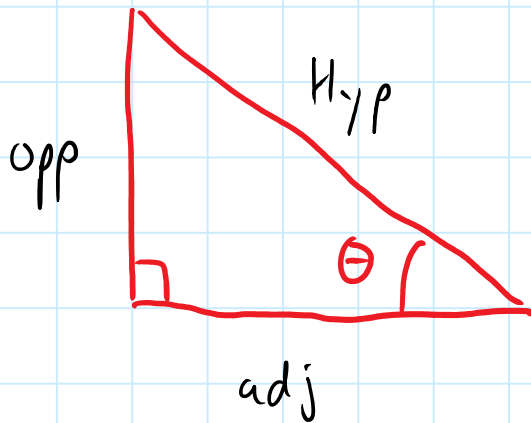


Trig Review

Wednesday, February 05, 2014 10:24 AM



SOH

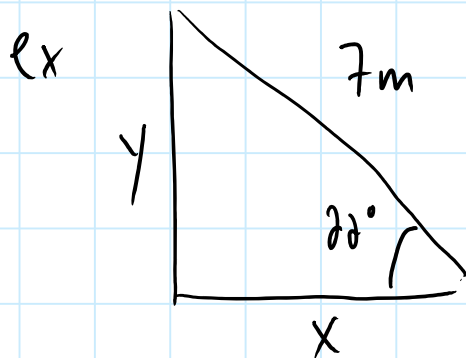
$$\sin \theta = \frac{\text{opp}}{\text{Hyp}}$$

CAH

$$\cos \theta = \frac{\text{adj}}{\text{hyp}}$$

TOA

$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$

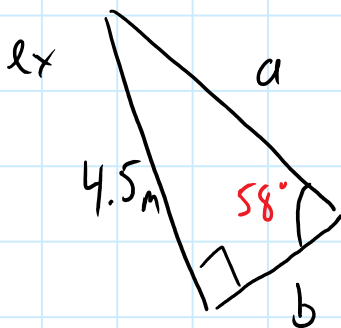


$$7 \cos 22^\circ = \frac{x}{7} \quad (7)$$

$$7 \cos 22^\circ = 6.49$$

$$\sin 22^\circ = \frac{y}{7}$$

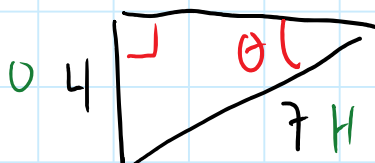
$$7 \sin 22^\circ = 2.62 \text{ m}$$



$$\sin 58^\circ = \frac{4.5}{a}$$

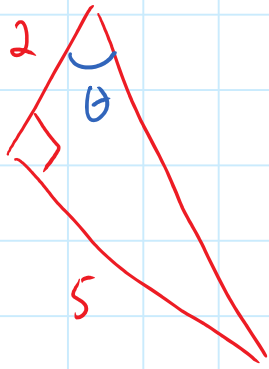
$$a = \frac{4.5}{\sin 58^\circ} \\ = 5.31 \text{ m}$$

Find an angle



$$\sin \theta = \frac{4}{7}$$

$$\sin^{-1} \left(\frac{4}{7} \right) = 35^\circ$$



$$\text{TAN } \theta = \frac{5}{2}$$

$$\text{TAN}^{-1}\left(\frac{5}{2}\right) = 68^{\circ}$$