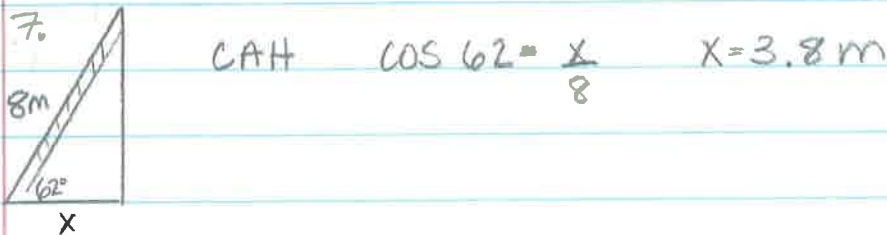
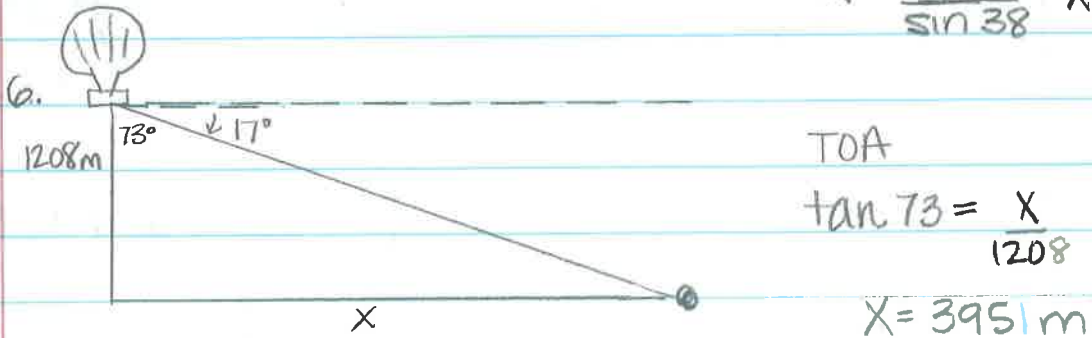
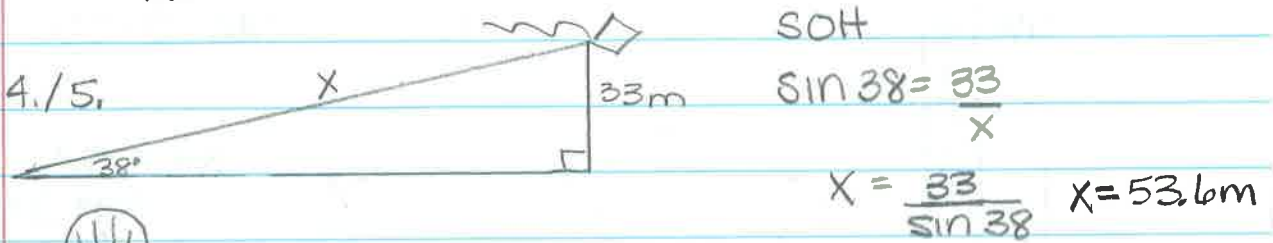
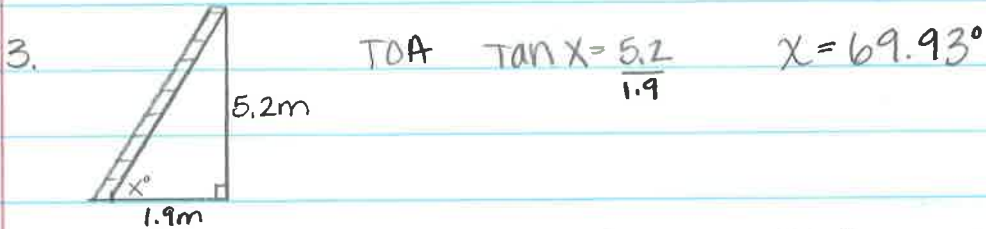
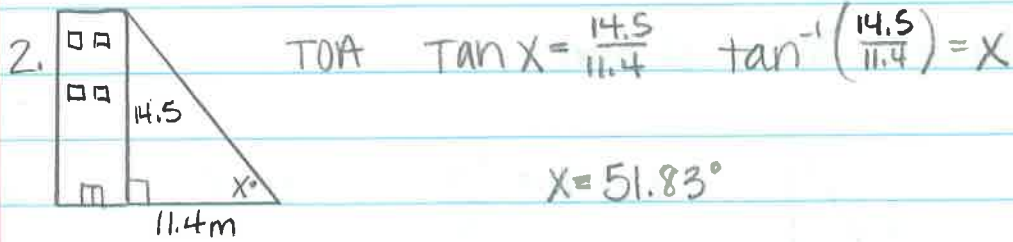
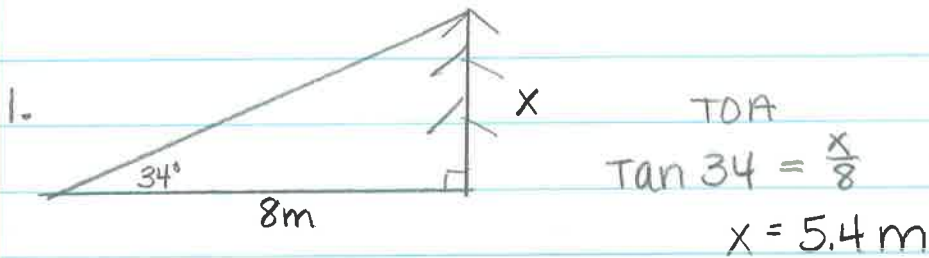
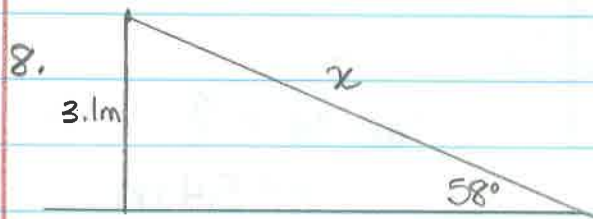


# TRIG KEY





Add 1.2 to answer!

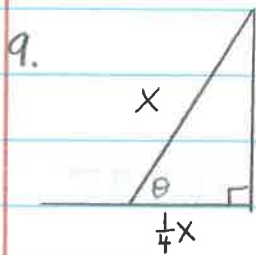
SOH

$$\sin 58 = \frac{3.1}{x} \quad x = \frac{3.1}{\sin 58}$$

$$x = 3.7$$

$$+ 1.2$$

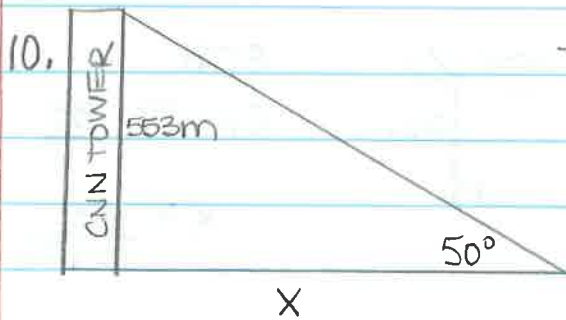
You need 4.9m of wire.



$$\cos \theta = \frac{\frac{1}{4}x}{x}$$

$$\cos \theta = \frac{1}{4} \quad \cos^{-1}\left(\frac{1}{4}\right) = \theta$$

$$\theta = 75.5^\circ$$



TOA

$$\tan 50 = \frac{553}{x}$$

$$x = \frac{553}{\tan 50} \quad x = 464\text{m}$$



SOH  $\sin 17.62 = \frac{x}{2128}$

$$x = 644\text{m}$$