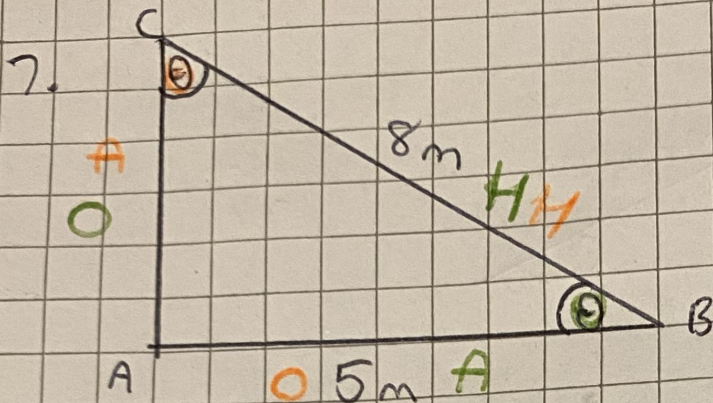


Subhan Asplund

1901089
27/10/20



$$I \quad \cos = \frac{A}{H}$$

$$\theta = \cos^{-1} \left(\frac{A}{H} \right)$$

$$\theta = \cos^{-1} \left(\frac{5}{8} \right)$$

$$\theta = 51.32^\circ$$

$$II \quad \sin \left(\frac{\theta}{H} \right)$$

$$\theta = \sin^{-1} \left(\frac{O}{H} \right)$$

$$\theta = \sin^{-1} \left(\frac{5}{8} \right)$$

$$\theta = 38.68^\circ$$

$$(III) \quad \sin = \frac{O}{H}$$

$$\sin(38.68) \times 8 = AC$$

$$AC = 5.00 \quad X$$

$$\tan = \frac{O}{A}$$

$$\tan 51.32 \times 5 = O = AC$$

$$AC = 6.25 \text{ m}$$