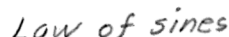


$$\beta = 90 - 21.8 = 68.2^\circ$$



$$\frac{785}{\sin(\theta + \beta)} = \frac{334}{\sin 21.8}$$

$$\theta + \beta = \sin^{-1} \frac{785 \sin 21.8}{334}$$

$$= 60.9^\circ \text{ or } 119.1^\circ$$

60.9° sol. not possible

So $\theta = 119.1 - 68.2 = 50.9^\circ$

$$\text{So } \frac{4}{x} = \tan 50.9^\circ,$$

$$x = 3.25 \text{ m}$$