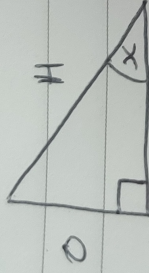


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height = 433.012m

(ii) SOH CAH TOA



~~433~~
~~550~~
~~700~~

$$\frac{433}{550} = \frac{550}{700} = 0.786$$

$$\cos x = \frac{550}{700}$$

$$\cos^{-1}\left(\frac{550}{700}\right) = x$$

$$x = 38.21 \text{ degrees}$$