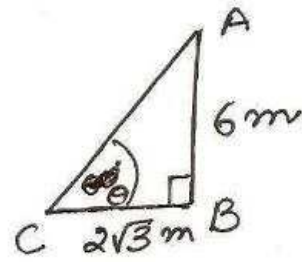


(15) let AB represent tower,
BC shadow.

$$\begin{aligned} \tan \theta &= \frac{AB}{BC} \\ &= \frac{6^3}{2\sqrt{3}} \end{aligned}$$

$$\begin{aligned} \tan \theta &= \sqrt{3} \\ \Rightarrow \theta &= 60^\circ \end{aligned}$$



$$[\because \tan 60^\circ = \sqrt{3}]$$