

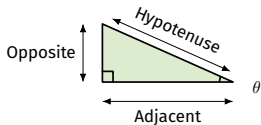
SOH CAH TOA - Finding a Side



Key idea

Relative to θ : $\sin \theta = O/H$,
 $\cos \theta = A/H$, $\tan \theta = O/A$.

Label relative to θ



Finding a side

$\theta = 32^\circ$, adjacent = 12 m:

$$\tan 32^\circ = x/12$$

$$x = 12 \tan 32^\circ = 7.50 \text{ m (3 s.f.)}$$

Common mistake

Opposite and adjacent depend on where θ is. Label them before choosing a ratio.

 = **copy this into your book.** Boxes without a pencil are just to read.