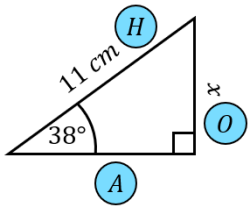
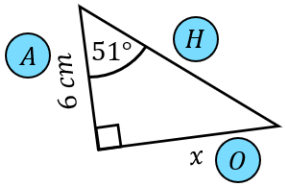
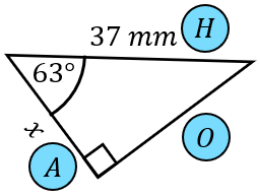
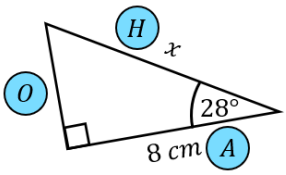
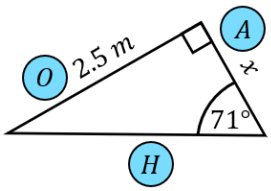
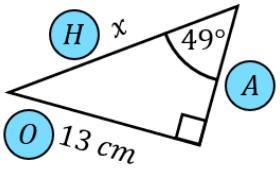
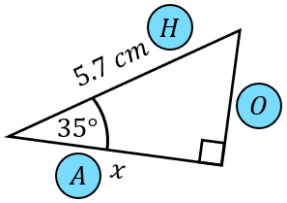
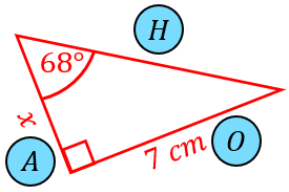
Fill in the Blanks | Finding Lengths Using Trigonometry

Labelled diagram	Choose ratio	Substitute into formula	Rearrange formula	Answer (1dp)
	sin	$\sin 38 = \frac{x}{11}$	$x = 11 \times \sin 38$	$6.8\ cm$
	tan	$\tan 51 = \frac{x}{6}$	$x = 6 \times \tan 51$	$7.4\ cm$
	cos	$\cos 63 = \frac{x}{37}$	$x = 37 \times \cos 63$	$16.8\ mm$
	cos	$\cos 28 = \frac{8}{x}$	$x = \frac{8}{\cos 28}$	$9.1\ cm$
	tan	$\tan 71 = \frac{2.5}{x}$	$x = \frac{2.5}{\tan 71}$	$0.86\ m$
	sin	$\sin 49 = \frac{13}{x}$	$x = \frac{13}{\sin 49}$	$17.2\ cm$
	cos	$\cos 35 = \frac{x}{5.7}$	$x = 5.7 \times \cos 35$	$4.7\ cm$
	tan	$\tan 68 = \frac{7}{x}$	$x = \frac{7}{\tan 68}$	$2.8\ cm$