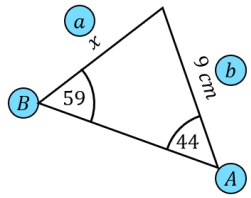
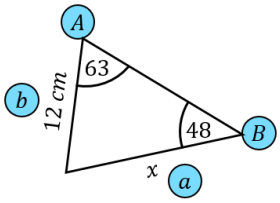
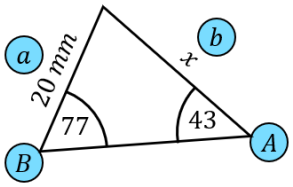
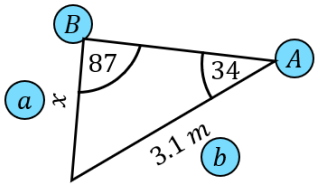
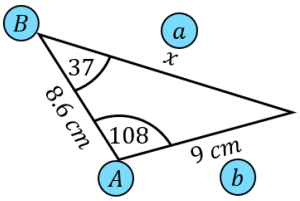
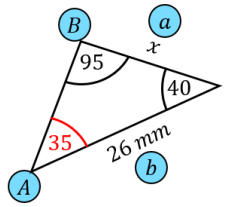
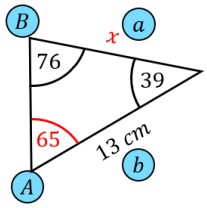
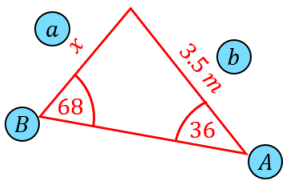
Fill In The Blanks...

Finding Lengths Using the Sine Rule

Labelled diagram	Substitute into formula	Rearrange formula	Length (1dp)
	$\frac{x}{\sin 44} = \frac{9}{\sin 59}$	$x = \frac{9 \times \sin 44}{\sin 59}$	$x = 7.3\ cm$
	$\frac{x}{\sin 63} = \frac{12}{\sin 48}$	$x = \frac{12 \times \sin 63}{\sin 48}$	$x = 14.4\ cm$
	$\frac{20}{\sin 43} = \frac{x}{\sin 77}$	$x = \frac{20 \times \sin 77}{\sin 43}$	$x = 28.6\ mm$
	$\frac{x}{\sin 34} = \frac{3.1}{\sin 87}$	$x = \frac{3.1 \times \sin 34}{\sin 87}$	$x = 1.7\ m$
	$\frac{x}{\sin 108} = \frac{9}{\sin 37}$	$x = \frac{9 \times \sin 108}{\sin 37}$	$x = 14.2\ cm$
	$\frac{x}{\sin 35} = \frac{26}{\sin 95}$	$x = \frac{26 \times \sin 35}{\sin 95}$	$x = 15.0\ mm$
	$\frac{x}{\sin 65} = \frac{13}{\sin 76}$	$x = \frac{13 \times \sin 65}{\sin 76}$	$x = 12.1\ cm$
	$\frac{x}{\sin 36} = \frac{3.5}{\sin 68}$	$x = \frac{3.5 \times \sin 36}{\sin 68}$	$x = 2.2\ m$