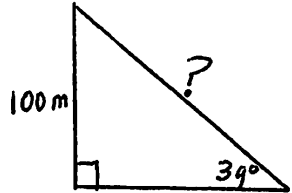
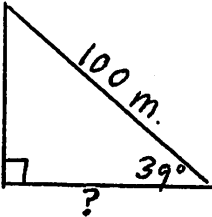
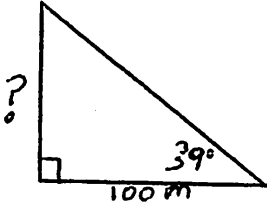
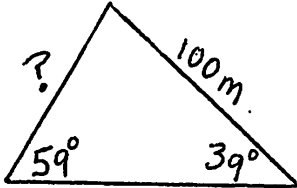


Sin Ratio (Sin)	Cosine Ratio (Cos)	Tangent Ratio (Tan)	Law of Sines
$\frac{\text{Opposite}}{\text{Hypotenuse}}$	$\frac{\text{Adjacent}}{\text{Hypotenuse}}$	$\frac{\text{Opposite}}{\text{Adjacent}}$	$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$
Batman is shooting a climbing line to the top of 100 m building. Doesn't know how far he is from building but knows angle of elevation = 39°. Use this ratio to find how much line to reach top.	Flying a kite over enemy camp. Have 100 m of string. Kite is flying at 39°. Use this ratio to find distance from enemy camp.	You are standing 100 m from base of tall tree. The angle of elevation from where you are is 39°. Use this ratio to find height of tree.	Use this for <u>any</u> triangle when you know 1 angle and 1 side (ASA or SAA) and you want to find 2 other sides.

Sin Ratio (Sin)	Cosine Ratio (Cos)	Tangent Ratio (Tan)	Law of Sines
$\frac{\text{Opposite}}{\text{Hypotenuse}}$	$\frac{\text{Adjacent}}{\text{Hypotenuse}}$	$\frac{\text{Opposite}}{\text{Adjacent}}$	$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$
			
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