Trigonometry Problem

$3.2\ m$

B A C

$8.4\ m$
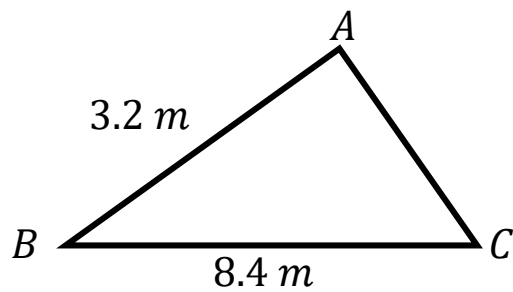
The area of the triangle is $10\ m^2$

Calculate the perimeter of triangle ABC.

Trigonometry Problem
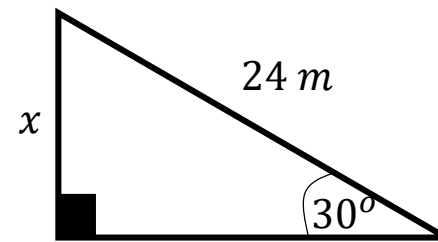
Simplify

$6\cos 30^o - 2\tan 60^o$

Exact Trig Values

Complete the table

	$Sin\ x$	$Cos\ x$	$Tan\ x$
0°			
30°			
45°			
60°			
90°			

Right Angled Trigonometry

Find the length of side x.

$24\ m$

x

30°

Right Angled Trigonometry

$12\ cm$

x

27°

Find the length of side x.

Trigonometry Problem

A

$9\ m$

B 40° C

$14\ m$
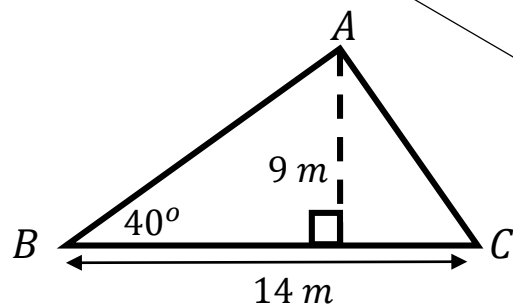
Calculate angle ACB.
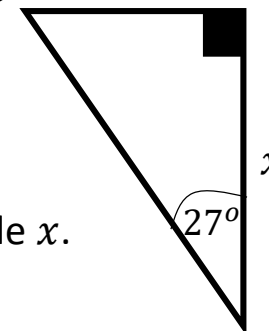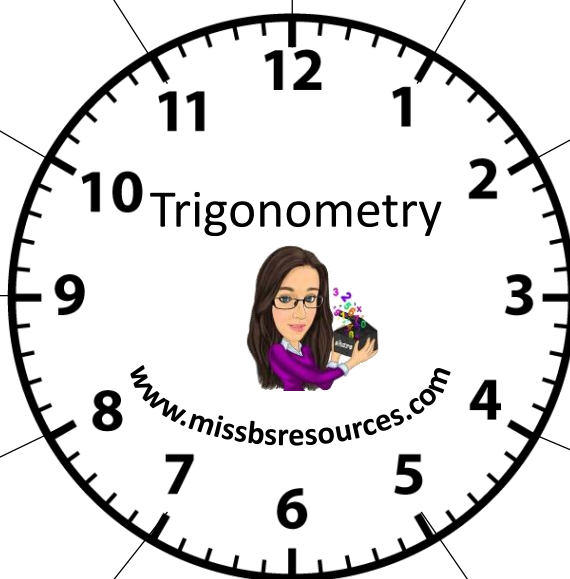
Cosine Rule

Calculate the size of angle BAC.

A

$15\ m$ $10\ m$

B C

$18\ m$

Cosine Rule

$12.8\ m$ x

72°

$32.7\ m$
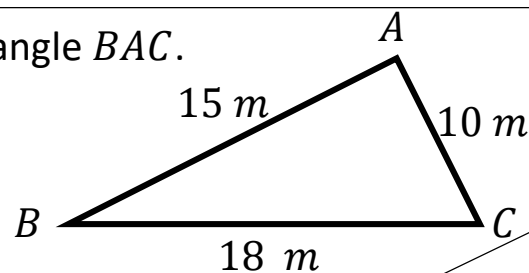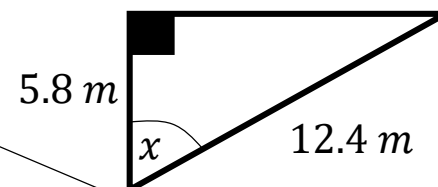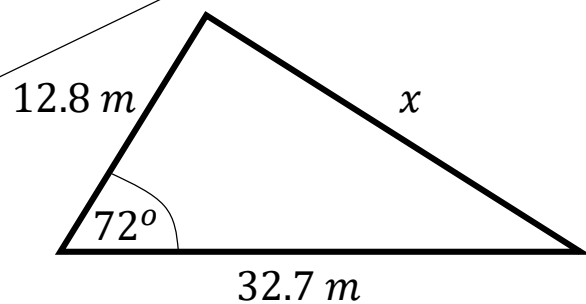
Calculate the length of x.

Cosine Rule

Sine Rule

Find the size of angle BAC.

A

$18\ m$

B 68° C

$9\ m$
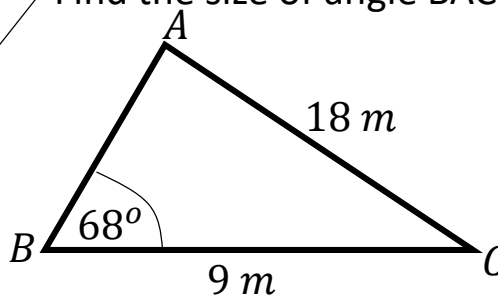
Sine Rule

Sine Rule

Find the length of side x.

60° x

80°

$7\ m$

Sine Rule

Area of a Triangle

$12.8\ m$

72°

$32.7\ m$
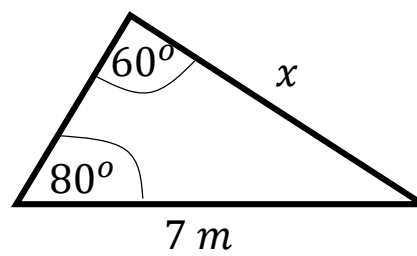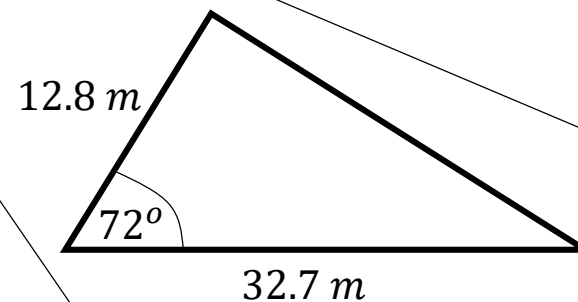
Find the area of the triangle.

Area of a Triangle

Right Angled Trigonometry

Find the size of angle x.

$5.8\ m$

x $12.4\ m$

Trigonometry

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