

Notes from Lesson 4: Sine Rule to Find Side

The sine rule is:

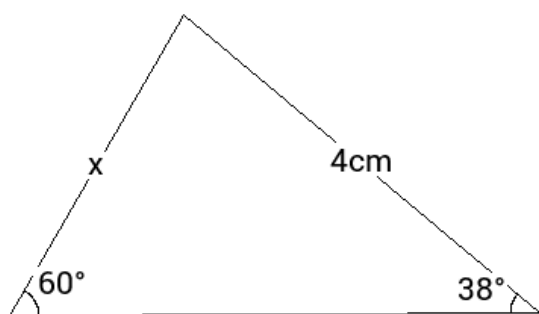
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

We could write the first two bits of this (the part without the cs) as:

$$a = \frac{b}{\sin B} \times \sin A$$

And we can use this to work out the area of the second side.

Let's look at this example:



$$x = \frac{4}{\sin 60} \times \sin 38 = 2.84 \text{ cm (3sf)}$$

Remember B is the angle that is opposite b, and A is the angle opposite a (the side we are trying to find out)