## 9.3) Areas of triangles







Worked example	Your turn
A triangle has sides 5.1 <i>cm</i> , 3.4 <i>cm</i> and 2.85 <i>cm</i> . Work out the area of the triangle	A triangle has sides 10.2 <i>cm</i> , 6.8 <i>cm</i> and 5.7 <i>cm</i> . Work out the area of the triangle
	18.3 <i>cm</i> <sup>2</sup> (1 dp)

Worked example	Your turn
In $\triangle ABC$ , $AB = 2.5cm$ , $BC = 3 cm$ and $\angle ABC = x$ . Given that the area of $\triangle ABC$ is $3 cm^2$ and that $AC$ is the longest side, find the value of $x$	In $\triangle ABC$ , $AB = 5cm$ , $BC = 6 cm$ and $\angle ABC = x$ . Given that the area of $\triangle ABC$ is $12 cm^2$ and that $AC$ is the longest side, find the value of $x$
	x = 127° (3 sf)

