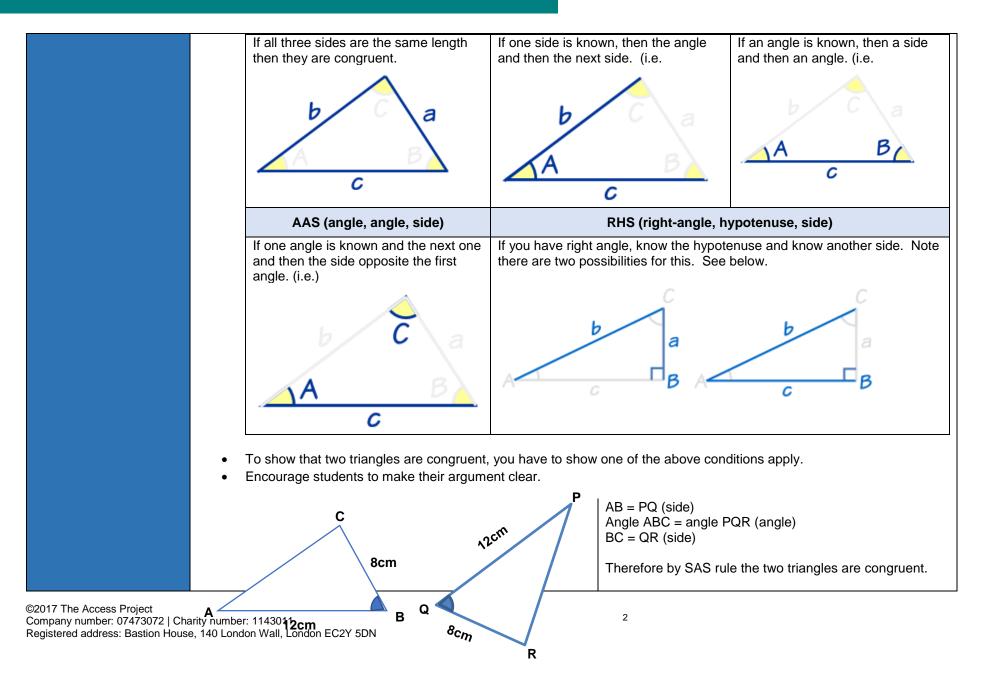
## Guidance for tutors

Outcome	SA7	Student can consistently:		nether two triangles are congruent.	
How the topic is examined	<ul> <li>Examined through test paper questions.</li> <li>Questions are equally likely to appear on calculator and non-calculator papers.</li> <li>Students will be asked to determine whether two triangles are congruent. They will be expected to show the formal steps to show this.</li> </ul>				
Prior knowledge	<ul> <li>Students should be confident with:         <ul> <li>Basic shape properties (SA2)</li> </ul> </li> <li>In addition questions involving this topic can have links to:         <ul> <li>Similar triangles (SLAV)</li> </ul> </li> </ul>				
Suggested tuition approaches	<ul> <li>Two triangles are a different orienta</li> <li>Students need to information about information.</li> <li>There are five way</li> </ul>	<ul> <li>a different orientation.</li> <li>Students need to understand that to show that two triangles are congruent it isn't necessary to know all the information about the triangles. We can usually work out whether two triangles are congruent from 3 pieces of information.</li> </ul>			

## Guidance for tutors



## Guidance for tutors

Common errors and misconceptions	<ul> <li>Confusion between congruence and similarity.</li> <li>Not recognising that two identical shapes that are just in a different orientation are congruent.</li> <li>Some students think if two triangles have the same three angles then they are congruent. This is not the case, they are only similar. One triangle can be bigger than the other.</li> </ul>
Suggested resources	<ul> <li>Questions         <ul> <li>http://www.cimt.org.uk/mepjamaica/unit33/StudentText.pdf</li> <li>https://corbettmaths.files.wordpress.com/2013/02/congruent-triangles-pdf1.pdf</li> </ul> </li> <li>Past GCSE Questions         <ul> <li>https://keshgcsemaths.files.wordpress.com/2013/11/16_congruent-shapes.pdf</li> </ul> </li> <li>Video tutorial         <ul> <li>http://corbettmaths.com/2013/04/15/congruent-triangles/</li> <li>http://corbettmaths.com/2012/08/10/congruent-and-similar-shapes/</li> </ul> </li> </ul>