

Introduction to Tricky Triangles**Directions**

Read each statement about triangles carefully. Indicate in the table whether you think the statement is true or false, and provide a brief reason or two for your claim.

Statement	T/F	Explain
If the sides of a triangle obey the Pythagorean theorem, then it must be a right triangle.		
If you know two sides and an angle of a triangle, you can always find the third side.		
Any three side lengths can make a triangle, as long as you have the correct angles between them.		
The law of cosines applies to any triangle at all.		