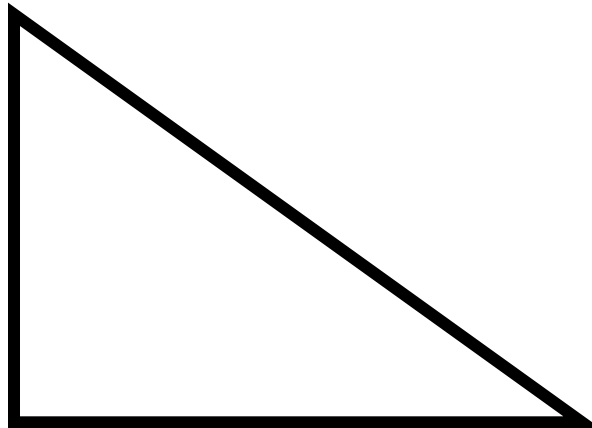# Special Triangles and the Unit Circle - Step-by-Step Lesson

Find the length of the hypotenuse of a right triangle *ABC* if the lengths of the other two sides are both 3 cm.

Explanation:

The triangle ABC is a right triangle with two equal sides.

Thus, it is a 45° - 45° - 90° triangle.

The lengths of the sides of the triangle are in the ratio 1:1:√2.

Thus, if one side is 5 cm, then the length of the hypotenuse is 3√2 cm is 4.25 cm.