

7.5

CONVERSE OF THE PYTHAGOREAN THEOREM

The Converse of the Pythagorean Theorem

In a triangle if $a^2 + b^2 = c^2$ works, then the triangle is
a _____.

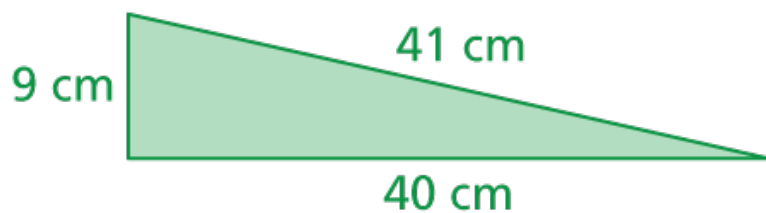
Determine if the triangle with the given side lengths is a right triangle.

1) 11, 18, 21

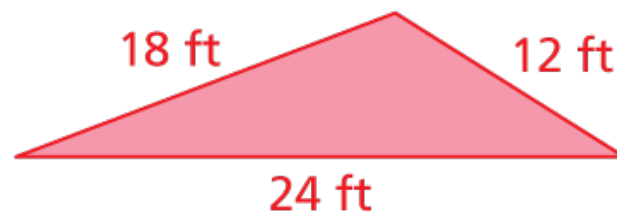
2) 5, 6, $\sqrt{11}$

Tell whether each triangle is a right triangle.

a.



b.



Determine if the triangle with the given side lengths is a right triangle.

c. Triangle with sides 9, 7, 10

d. Triangle with sides 10, 6, 13

e. Triangle with sides 13, 5, 12

Distance Between Two Points on a Coordinate Plane

