CONVERSE OF THE PYTHAGOREAN THEOREM

Today's Learning Goals:

- Use the converse of the Pythagorean Theorem to identify right triangles.
- Use the Pythagorean Theorem to find distances in a coordinate plane.
- Solve real-life problems.

What is a converse?

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.

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

Tell whether each triangle is a right triangle.



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