

Reason With Right Triangle Lengths: Apply and Create



Name: _____ Date: _____

Use what you learned to explain, construct or apply an idea.

Right triangles

For perpendicular legs a and b and hypotenuse c , $a^2 + b^2 = c^2$. The hypotenuse is opposite the right angle.

1. Find the distance from $(0,0)$ to $(6,8)$.

2. Why cannot the shortest side be c in a right triangle?
