

Reason With Right Triangle Lengths: Apply and Create



Use the matching sheet ID when checking answers.

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

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

Answer: 10

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

Look for:

- Uses the relationship or correct geometric explanation.

One possible response: c^2 is the sum of the positive squares of both legs, so c exceeds each leg.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.