

Networking: Special Right Triangles

This is a 2-part activity.

Part 1:

Write your answers to these three questions. Write in complete sentences. You'll have just five minutes.

Explain why any two 30° - 60° - 90° triangles are similar.

Write an equation to find the length of a rectangle that has a diagonal twice as long as its width.

What generalizations can you make about special right triangles?

Part 2: When the writing time is complete, you'll share your thoughts with a classmate. When the music stops, find a partner and discuss your responses. Are they similar? Different? Do you agree with one another? Do you disagree?