Mathematical Reflections 3

In this investigation, you worked with a very important mathematical relationship called the Pythagorean Theorem. These questions will help you summarize what you have learned.

Think about your answers to these questions. Discuss your ideas with other students and your teacher. Then write a summary of your findings in your notebook.

1. Suppose you are given the lengths of two sides of a right triangle. Describe how you can find the length of the third side.

2. Suppose two points on a grid are not on the same horizontal or vertical line. Describe how you can use the Pythagorean Theorem to find the distance between the points without measuring.

3. How can you determine whether a triangle is a right triangle if you know only the lengths of its sides?