Lesson 17: Distance on the Coordinate Plane

Classwork

Example 1

What is the distance between the two points $A$ and $B$ on the coordinate plane?

![Diagram of point A and B on a coordinate plane]

What is the distance between the two points $A$ and $B$ on the coordinate plane?

![Diagram of point A and B on a coordinate plane]
What is the distance between the two points $A$ and $B$ on the coordinate plane? Round your answer to the tenths place.

Example 2

Given two points $A$ and $B$ on the coordinate plane, determine the distance between them. First, make an estimate; then, try to find a more precise answer. Round your answer to the tenths place.
Exercises 1–4

For each of the Exercises 1–4, determine the distance between points $A$ and $B$ on the coordinate plane. Round your answer to the tenths place.

1.

![Diagram for Exercise 1]  

2.

![Diagram for Exercise 2]
3.

4.
Example 3

Is the triangle formed by the points \(A, B, C\) a right triangle?