Lesson 18: Distance on the Coordinate Plane

Problem Set

1. Find the length of the line segment with end points and , and explain how you arrived at your solution.
2. Sarah and Jamal were learning partners in math class and were working independently. They each started at the point and moved units vertically in the plane. Each student arrived at a different end point. How is this possible? Explain and list the two different end points.
3. The length of a line segment is units. One end point of the line segment is . Find four points that could be the other end points of the line segment.