Lesson 7: Distance on the Coordinate Plane

Problem Set

1. Given the pairs of points, determine whether the segment that joins them is horizontal, vertical, or neither.
	1. and
	2. and
	3. and
2. Complete the table using absolute value to determine the lengths of the line segments.

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| **Line Segment** | **Point** | **Point** | **Distance** | **Proof** |
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1. Complete the table using the diagram and absolute value to determine the lengths of the line segments.



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| **Line Segment** | **Point** | **Point** | **Distance** | **Proof** |
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| **Line Segment** | **Point** | **Point** | **Distance** | **Proof** |
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1. Complete the table using the diagram and absolute value to determine the lengths of the line segments.

1. Name two points in different quadrants that form a vertical line segment that is units in length.
2. Name two points in the same quadrant that form a horizontal line segment that is units in length.