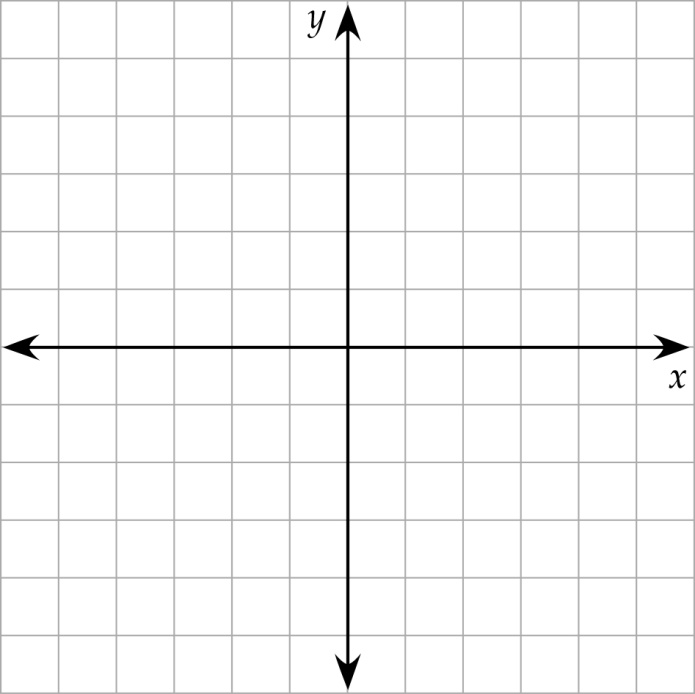
**BLM 7.SS.5.1: Comparing Points**

1. Generate a list of points and record them in the chart below. Complete the chart by comparing each new point to the previous point, and describe the difference in position of the two points.



2. Name the point that is

a) farthest left \_\_\_\_\_\_\_\_

b) highest \_\_\_\_\_\_\_\_

c) lowest \_\_\_\_\_\_\_\_

d) closest to the origin \_\_\_\_\_\_\_\_

e) farthest right \_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Point** | **Coordinates** | **Distance between the Points**  ***x* left/right *y* up/down** | **Justify Your Decision** |
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|  |  |  |  |
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|  |  |  |  |

3. Join points to form a quadrilateral. Using the *y*-axis as the line of reflection, reflect the quadrilateral. Describe the difference in position.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Vertex**  **Pre-image** | **Coordinates**  **Pre-image** | **Vertex**  **Image** | **Coordinates**  **Image** | **Describe how the vertices of the image**  **differ from those of the pre-image** |
|  |  |  |  |  |
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