**6.G.A.3 and 6.NS.C.8** NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**FINDING DISTANCES IN THE COORDINATE PLANE #2**

What are the coordinates of point A? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the coordinates of point B? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of line segment is $\overline{AB}$? Horizontal or Vertical

Find AB=

What are the coordinates of point C? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the coordinates of point D? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of line segment is $\overline{CD}$? Horizontal or Vertical

Find CD =

What are the coordinates of point E? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the coordinates of point F? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of line segment is $\overline{EF}$? Horizontal or Vertical

Find EF =

What are the coordinates of point G? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the coordinates of point H? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of line segment is $\overline{GH}$? Horizontal or Vertical

Find GH=

What are the coordinates of point I? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the coordinates of point J? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of line segment is $\overline{IJ}$? Horizontal or Vertical

Find IJ =

**Summary:** (What conjecture can you make about all horizontal and vertical line on the Coordinate Plane? Use examples and proof to explain your conjecture.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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