## Module 2: Activity Sheet 2

| **Learning Goals** | **Success Criteria (SC)** |
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| * Understand the structure of a coordinate grid
* Relate the procedure of plotting points in quadrants to the structure of a coordinate grid
 | 1. I can talk & write about plotting points on a coordinate grid using correct vocabulary
2. I can plot and label points in each quadrant on a coordinate grid
3. I can create a rule about coordinate for each quadrant
 |
| **Start of Lesson** | **Middle of Lesson** | **End of Lesson** |
| **Method:** *Vocabulary “Whip Around” to elicit prior knowledge and see how students understand the concept* | **Method:** *Walk coordinates to label each location on large graph (SC2).**Describe the process verbally using correct vocabulary (SC1)* | **Method:** *Generalize quadrant locations for set of coordinates verbally and in writing-cooperative groups (SC3)* |
| **Opening Question:***What comes to mind when you think of coordinate graphing?* | **Strategy:** *Plot and label points in four quadrants to individually-design a fictional town “Robertsville” (SC1,2).*  | **Strategy:** *Chart created rules for each quadrant & gallery walk (SC3).***Strategy:***Reflection-self assessment (SC1, SC2, SC3)* |
| **Success Criteria:***Targeted vocabulary use: origin, x-axis, y-axis, coordinates, quadrant (SC1)* | **Success Criteria:** *Plots and labels points in each quadrant on a coordinate grid.*  | **Success Criteria:** *Creates a rule about coordinate for each quadrant.*  |

| Start of Lesson: **Questions** | Middle of Lesson: **Questions** | End of Lesson: **Questions** |
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| * *Are we in agreement*
* *with these definitions?*
* *How might we make definitions more clear?*
* *Are any big ideas missing?*
* *How might some of these terms go together?*
 | * *Where should you start?*
* *How would you label this point? How do you know?*
* *Tell me your thinking.*
* *How do you know you’ve plotted this point correctly?*
 | * *What are you noticing about all the coordinates in this quadrant?*
* *How are the coordinates alike? Different?*
* *How might you develop a rule for all the coordinates in this quadrant?*
* *How can you organize the coordinates in Quadrant 1 so you can analyze them? (a list, chart, table…)*
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