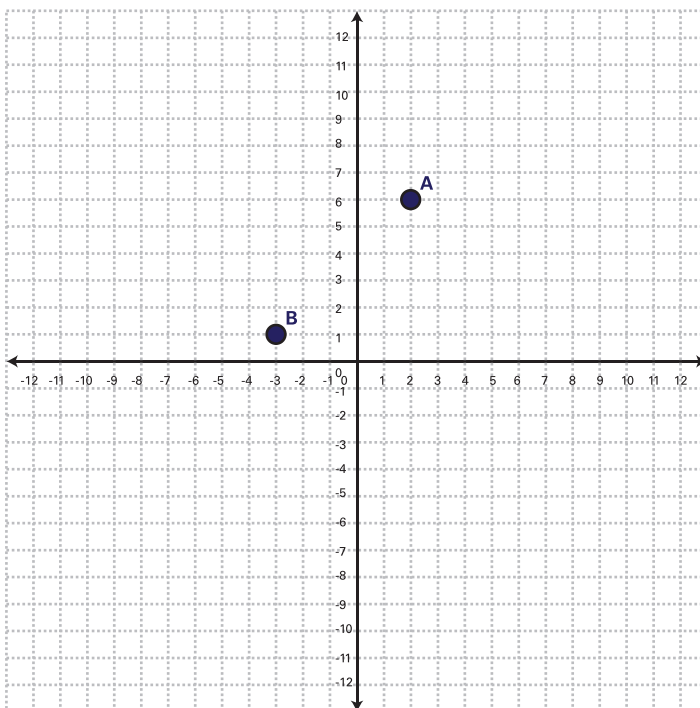


TASK  
4

Name \_\_\_\_\_

## Building a New Playground

The City Planning Commission is considering building a new playground. They would like the playground to be equidistant from the two elementary schools, represented by points A and B in the coordinate grid that is shown.



### PART A

- Determine at least three possible locations for the park that are equidistant from points A and B. Explain how you know that all three possible locations are equidistant from the elementary schools.
- Make a conjecture about the location of all points that are equidistant from A and B. Prove this conjecture.