

Geometry – Unit 1 Task
Working with Midpoint & Distance

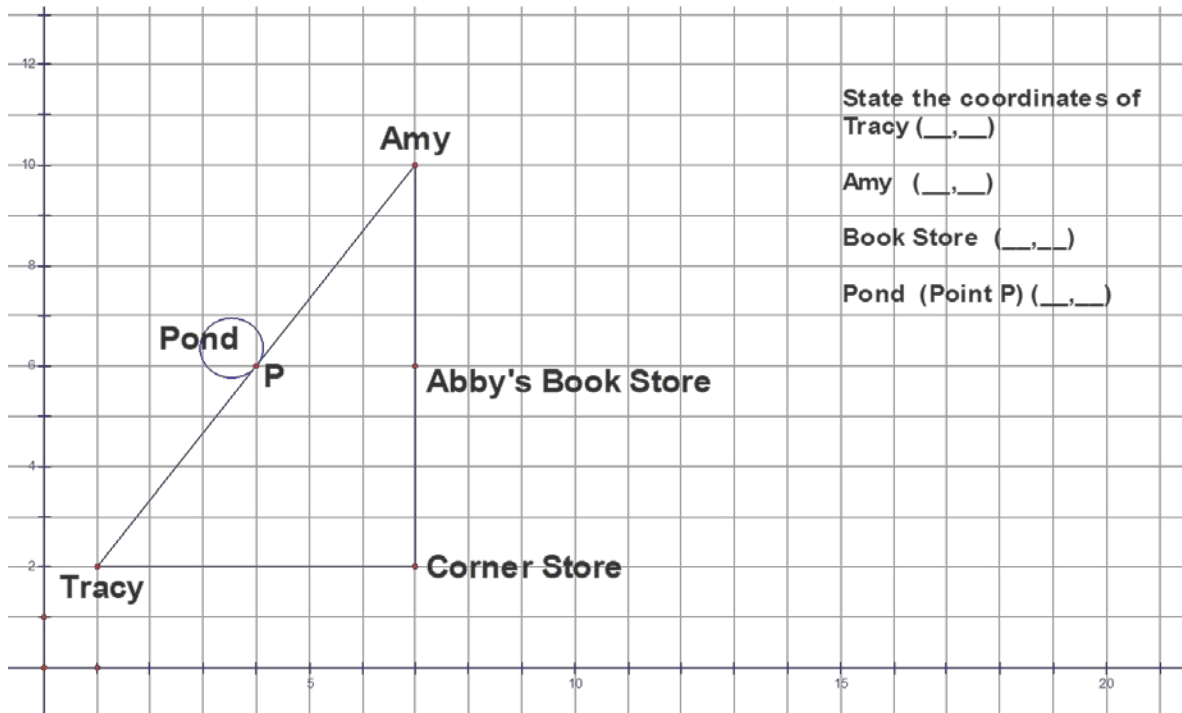
8.G.B.8, G.CO.A.1, G.GPE.B.4, G.GPE.B.6

Name: _____!

Date: _____ Pd: _____

- A) Tracy wants to visit Amy for her birthday. She decides to walk to the Corner Store and then pass Abby's Book Store on the way in order to purchase a present. Coming home she will take the shortcut through the park and past the pond.

If each unit on the grid represents one block, how many blocks will she walk going to Amy's? How many blocks will she walk going home?

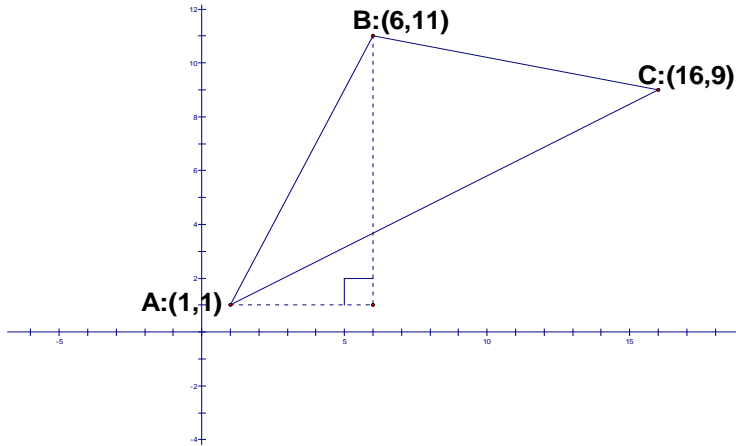


As Tracy is walking home through the field, she stops to dangle her feet in the pond that is exactly half way between Amy and Tracy's house. Give the coordinates of the pond. Explain how you found these coordinates.

Practice – Unit 1 (cont.)

- B)** A surveyor must determine the distance around a triangle formed by three towns. He put a grid over the map to help him determine these measurements as shown below. The axes are labeled in miles.

Can you help the surveyor find the distance between each town? Explain how you found these distances.



A shopping center is to be built midway between Towns A and C. Use the coordinates of A and C to find the coordinates for the shopping center. Explain how you found the mid-point.

- C)** Prove/verify that the midpoint of the hypotenuse of a right triangle is equidistant from each of the three vertices.

