

Maps with Distance and Midpoint

Name: _____

Directions: You must use a piece of graph paper when creating this map. All work must be shown on a separate sheet of paper. Begin by drawing and labeling your x and y axes on your graph paper. Make sure that your axes cover the entire area of the page.

<u>Restaurants:</u>	<u>Buildings:</u>	<u>Stores:</u>
Burger King located at (-2, 3) Hardee's located at (4, 1) McDonald's Chick-Fil-A Bojangles	City Hall located at (-9, -8) Post Office located at (-3, 8) Courthouse Library Armory	Wal-Mart located at (4, -4) Target located at (-8, 6) Food Lion Lowe's BP station located at (1, -10)

1. Plot and label the locations given on your map.
2. Bojangles is located at the midpoint of Burger King and Hardee's. Plot and label Bojangles on the map and write the coordinates of Bojangles here _____.
3. The library is located at the midpoint of City Hall and the post office. Plot and label the library on the map and write the coordinates of the library here _____.
4. Food Lion is located at the midpoint of Wal-Mart and Target. Plot and label Food Lion on the map and write the coordinates of Food Lion here _____.
5. Hardee's is the midpoint between Burger King and Chick-Fil-A. Plot and label Chick-Fil-A on the map and write the coordinates of Chick-Fil-A here _____.
6. The courthouse is the midpoint between the post office and the library. Plot and label the courthouse on the map and write the coordinates of the courthouse here _____.
7. Wal-Mart is the midpoint between Lowe's and the BP station. Plot and label the Lowe's on the map and write the coordinates of Lowe's here _____.
8. Burger King is the midpoint between Target and the armory. Plot and label the armory on the map and write the coordinates of the armory here _____.
9. (-2, -2) is the midpoint between McDonald's and City Hall. Plot and label McDonald's on the map and write the coordinates of McDonald's here _____.
10. Use your map and your coordinates to find the distances between the following points of interest:
11. What is the distance between McDonald's and the BP station? _____
12. What is the distance between Wal-Mart and Hardee's? _____
13. What is the distance between Target and City Hall? _____
14. What is the distance between the armory and the library? _____
15. What is the distance between Chick-Fil-A and Food Lion? _____
16. What is the distance between Lowe's and Burger King? _____
17. What is the distance between the courthouse and Bojangles? _____
18. What is the distance between McDonald's and the Chick-Fil-A? _____
19. What is the distance between Wal-Mart and the BP station? _____
20. What is the distance between the post office and Target? _____