

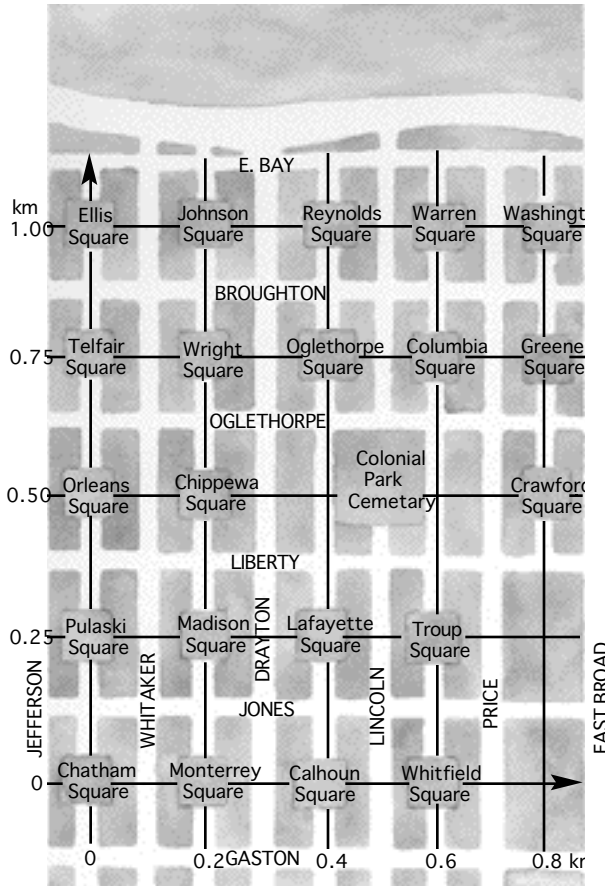
7-3C Laboratory Manual

Name _____

Date _____

MATERIALS

Graph paper



During a parade in downtown Savannah, a police helicopter hovering over Chatham Square is called to an emergency at the Maritime Museum near Warren Square.

Your mission is to find the helicopter distance from Chatham Square to Warren Square.

1. What are the coordinates of Chatham Square?

of Warren Square? _____

2. On the grid, draw a right triangle containing the segment from Chatham Square to Warren Square. Find the lengths of the legs of this triangle.

3. Use the Pythagorean Theorem to find the straight-line distance the helicopter must fly from Chatham Square to Warren Square.

4. How does the straight-line distance compare to the taxi distance between these points?

5. Write an explanation of how to find the straight-line distance between any two points whose coordinates you know without using the words *Pythagorean Theorem*.

