

Name: _____

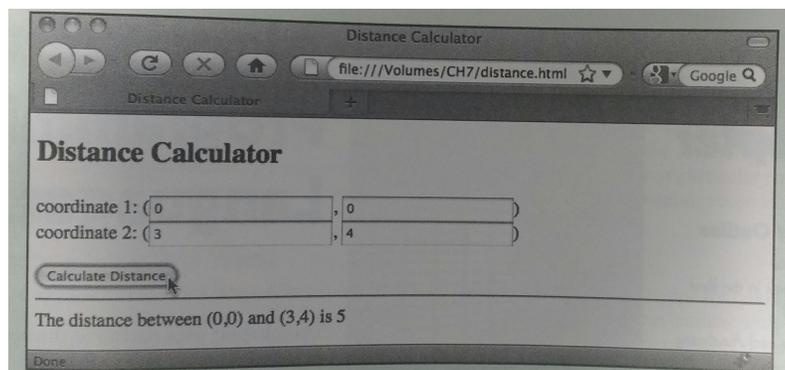
CSC 101 - Quiz 3

For the following problems, you will work on the lab's computer. When you are finished, you'll write your code in pen in the space provided under each question. You are allowed to use the Internet but **only** to check HTML/JavaScript syntax.

Problem 1

(10 points)

Create a webpage named `distance.html` that computes the distance between two arbitrary points (x_1, y_1) and (x_2, y_2) . Your page should have text boxes where the user can enter the coordinates and then display the distance between those points at the click of a button. You can see below how your page should look like.



When the button is clicked, your Javascript statements should:

- Access the numbers entered in the text boxes
- Calculate the distance of the points using the formula $\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$
- Display that distance in the page.

You should define a `Distance()` function in `<head>` and then call it when the button is clicked.

Write your code on the back of the page and don't forget to write your name!