Name your program: extra4.c

Enter the following code to calculate the distance between two points on the x, y plane. The program asks a user to enter 2 points, then calculates the distance between the 2 points and prints out the distance on the screen. You need to replace any "?" with the appropriate code.

```
#include <stdio.h>
                                              Since you are using the math
#include <math.h>
                                             library, you'll need to include the -lm
                                             option when compiling, for example:
struct point
                                             qcc extra4.c -lm -o extra4
{
    float x;
    float y;
};
float distance (struct point, struct point);
void enter_a_point ( struct point * );
int main (void)
    struct point pt1, pt2;
    enter_a_point( ? ); //get x & y values for pt1
    enter a point(?); //get x & y values for pt2
    printf( "Distance between the points = %.2f\n", distance(?, ?) );
    return 0:
}
                                                               Distance Formula
float distance (struct point p1, struct point p2)
                                                        d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}
    return sqrt( pow( ?, 2) + pow( ?, 2) );
}
void enter_a_point ( struct point *p )
{
    printf("\nEnter an X coordinate: ");
    scanf("%f", ?);
    printf("\nEnter a Y coordinate: ");
    scanf("%f", ?);
}
                 Use the following command to submit your extra4.c code
```

cp extra4.c /home/faculty/skoss/cse121/your_UID