

```
/* distance.c*/  
/* copyright (c) 2017 Nathan Christian (nchristi@iu.edu)*/  
  
#include <stdio.h>  
#include <math.h>  
  
double distance (double x11, double y11, double x22, double y22)  
{  
    return sqrt(pow((x11-x22),2)+pow((y11-y22),2));  
}
```