## ENGR-UH 1000 Lab 0 Report

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```
8 #include <iostream>
9 #include <cmath>
using namespace std;
int main()
12 {
/* Declare and initialize the variables */
double x1 = -1, y1 = -3, x2 = 4, y2 = 6;
  double length1, length2, distance;
17 /* Compute the sides of a right triangle */
_{18} length1 = x2 - x1;
  length2 = y2 - y1;
21 /* Compute the distance between the two points. */
distance = sqrt(length1*length1 + length2*length2);
23
24 /* Print the distance */
 cout << "The distance between the two points is " << distance << endl;</pre>
  return (0);
27 }
28 /*----*/
```