Lab Goal: This lab was designed to teach you more about objects, input, output formatting, and the Math class.

Lab Description: Determine the distance the between two points.

The distance formula for (x1, y1) and (x2, y2) is:

$$\sqrt{(x^2-x^1)^2+(y^2-y^1)^2}$$

Sample Data:

```
1 1 2 1
1 1 -2 2
1 1 0 0
```

Sample Output:

```
Enter X1 :: 1
Enter Y1 :: 1
Enter X2 :: 2
Enter Y2 :: 1
distance == 1.000

Enter X1 :: 1
Enter Y1 :: 1
Enter X2 :: -2
Enter Y2 :: 2
distance == 3.162

Enter X1 :: 1
Enter X1 :: 1
Enter Y1 :: 1
Enter Y2 :: 0
distance == 1.414
```

Files Needed ::

Distance.java DistanceRunner.java

FORMATTING OUTPUT