

## Canon-McMillan Computer Science Club

2015-2016

### Problem: Distance Traveled

#### Difficult: Easy

**Directions:** Create a program that keeps track of the distance something travels as it moves through the x-y plane. The starting point is (0,0) and the program will continue infinitely.

#### A sample printout)

```
Enter x coordinate: 3
Enter y coordinate: 4
Total Distance Traveled = 5.0
```

```
Enter next x coordinate: -3
Enter next y coordinate: -4
Total Distance Traveled = 15.0
```

```
Enter next x coordinate: 0
Enter next y coordinate: 0
Total Distance Traveled = 20.0
```

```
Enter next x coordinate:
```