**Worksheet: Move Straight Challenge**

**CHALLENGE:** Move your robot forward

1

2

FINISH

START

B

C

from the start line to the finish line and

back to the start. No turns.

**PART 1: What should you do?**

* Move your robot from the black line to the green line and back using **seconds**, using **degrees** and using **rotations**.

1) What did you notice? Differences/Similarities between seconds, degrees and rotations? Which was most accurate? Least accurate?

Seconds:

Degrees:

Rotations:

2) How long did it take you to get your robot to go exactly to the red line and back? Did you have to guess and check a lot?

**PART 2: Now, repeat Challenge using port view to read the sensor values first. What can you do with this number?**

1. Was this easier than using seconds, degrees and rotations