

ANGULAR DISTANCE

Trial #	Left Track motor %	Time to turn 360 degrees (seconds)
1	50%	4.82
2	50%	4.82
3	50%	4.82
4	50%	4.82
5	50%	4.82

Linnear Distance

Trial Number:	Power and gear	Time (sec)
1	50%, forward	5
2	50%, forward	5
3	50%, forward	5
4	50%, forward	5
5	50%, forward	5

Vector displacement

Trial Number	Distance Travelled (cm) 5ft or 609 cm+error
1	621
2	629
3	617
4	614
5	627

	Desired Degrees of Turn	
	90	180
Time to turn (seconds) Calculated from 360 degree test:	1.205	2.41
Actual time to turn (seconds) Calculated from trials	1.4	2.6

Distance (m)	Distance avg (m)
	1.9
	2.2
	1.8
	2.1
	2

Error between initial starting location and final stopping location (cm)
12
20
8
5
18

270	360
3.615	4.82
3.62	4.82