

16-311: Introduction to Robotics

Lab 9: Robot Arm

Team number: _____

Team member name:	Andrew ID:

Position	L2 distance to end effector	Points	Trial 1	Trial 2	Trial 3
A	< 0.25 in	10			
	< 0.5 in	5			
B	< 0.25 in	20			
	< 0.5 in	10			
C	< 0.25 in	30			
	< 0.5 in	15			
Path Planning	Display valid path planning (not impacted by EE penalty)	10			
Time	> 35 seconds	-5/sec			
Orientation	Horizontal	-10			
Easy Points	Points set is easier	-20			
End Effector	End effector hits obstacle or leaves workspace	0 for Trial			
Question				Points	Earned
Diagram of your robot configuration space (Please be sure to label axes and dimensions)				5	
Question 1 (ALGORITHM)				5	
Question 2 (MYSTERY)				10	
Question 3 (MYSTERY)				10	
Total				100	