



Group #: _____

Judge: _____

Mark the following in the maze to the left:

- Starting point A, end point B, and trial #
- Starting orientation

<u>Group Marking Criteria:</u>	<u>Run:</u>	<u>Notes:</u>
<u>1. Obstacle Avoidance (5 points)</u>		
Rover completes the run without making any contact with obstacles	/5	
<u>2. Localization (10 points)</u>		
Achieves localization from random starting orientation with confirmation	/4	
Arrives at loading zone and detects load with confirmation	/3	
Places load at the drop off location and provides confirmation	/3	
<u>3. Load Pick and Place (15 points)</u>	<u>Milestone 3</u>	
Drives to the load with confirmation	/4	
Picks up the load	/4	
Places the load outside the loading zone	/2	
Delivers the load within 5 minutes	/5	
<u>4. Penalties</u>		
Collides against walls (-2/incident, -10 max)		
Requires assistance (-2/incident, -50 max)		
<u>Group Run Total</u>	/30	

Up to 50% of the grade will be obtained by achieving the above tasks only on a simulator.