

AME 30358 – In-Lab Score Sheet

M12 – Autonomous Vehicle

Name(s): _____

Item and Description	Points Awarded	Possible Points
Drive Straight – The robot is able to drive 20 ft in a straight line going either forward or reverse.		5
90 Degree Turn – The robot is able to execute a 90 degree turn going either left or right.		5
Forward, Reverse – The vehicle drives forward in a straight line for 4 seconds, stops for 2 second, drives in reverse for 4 seconds, stops for 2 second, and repeats.		4
Collision Avoidance 1 – The vehicle drives in a straight line and stops within 4 feet of a barrier without touching the barrier.		4
Collision Avoidance 2 – The vehicle drives in a straight line, stops within 4 feet of a barrier without touching the barrier, then turns away from the barrier and continuous moving forward.		4
Autonomous Navigation – The vehicle travels the entire length of the east-end hallway (outside B19) on the B-level of Fitzpatrick without touching anything.		4
Clean-up Vehicle disassembled. Hardware properly put away.		4
TOTAL		30