EE 149: Microcontroller Programming in C
Interfacing Sensors and Actuators with iRobot Create

Check Out Sheet

Name(s): _______________________________________________ Lab: ____________
_______________________________________________ Date: ____________

Required Components:

_____ (15) __ Part 1 – On flat ground, robot maintains orientation
    ___ Part 1 – On flat ground, robot avoids obstacles
    ___ Part 1 – On flat ground, robot avoids other obstacles during collision avoidance

_____ (15) __ Part 2 – On hill, robot maintains uphill orientation

_____ (70) __ Part 3 – On flat ground, robot maintains orientation
    ___ Part 3 – On flat ground, robot avoids obstacles
    ___ Part 3 – On flat ground, robot avoids obstacles during collision avoidance
    ___ Part 3 – On hill, robot maintains uphill orientation
    ___ Part 3 – On hill, robot avoids obstacles
    ___ Part 3 – On hill, robot avoids obstacles during collision avoidance

Bonus:

_____ (+15) __ Challenge: Robot climbs hill, reaches top, orients itself and descends hill

Student Signature: ____________________________________________
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Instructor Signature: __________________________________________