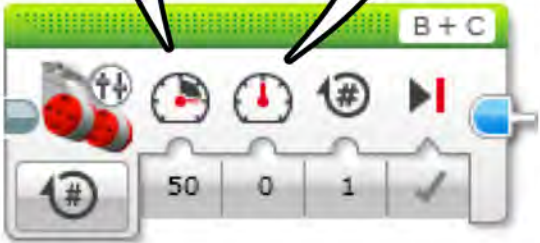


TEAM # \_\_\_\_\_ NAMES \_\_\_\_\_

**LESSON 5-4: THE ROBOT TURNS WHEN THE B AND C MOTORS MOVE AT DIFFERENT POWERS. THE GREATER THE DIFFERENCE BETWEEN THE POWERS THE TIGHTER THE TURN.**

LEFT MOTOR POWER = 50

RIGHT MOTOR POWER = 0



**TASK 1: BALL LAUNCHER**  
DROP THE BALL IN THE LAUNCHER AND STRIKE TO HIT.

SET THE **MOVE TANK** COMMAND AS SHOWN. FIGURE OUT HOW MANY ROTATIONS FOR THE TURN

Teacher Check

TURN ROTATIONS = \_\_\_\_\_



**TASK 2: BALL MACHINE**

SET THE **TANK MOVE** COMMAND AS SHOWN. FIGURE OUT THE ROTATIONS TO MAKE A SHARP TURN TO GET INTO POSITION TO TRIGGER THE BALL MACHINE.

Teacher Check

TURN ROTATIONS = \_\_\_\_\_

LEFT MOTOR POWER=50

RIGHT MOTOR POWER = -50



**TASK 3: BARREL RACE**

ADJUST THE RIGHT MOTOR POWER AND NUMBER OF ROTATIONS SO THAT THE ROBOT MAKES A CLOSE HALF CIRCLE TURN AROUND THE BARREL.

RIGHT MOTOR POWER \_\_\_\_\_

ROTATIONS \_\_\_\_\_

Teacher Check

TIME \_\_\_\_\_



MISSION POINTS