(15 points) Install Arduino IDE (Task 1) and complete the draft of code for 6 and

7 (Task 2 and 3)

COMPLETED

5. (30 points) Install Arduino and Test Example

COMPLETED

6. Motion Primitives

a.
(20 points) Robot working [TA Check + Video]

COMPLETED

b.
(10 points) List differences between ideal behavior and physical execution. For each

difference, explain why it is different.

Ideal Behavior would be the robot to make consistent movements in the desired directions. However, due to errors out of control we don't get desired movement. First test error came from one of the wheel's rubber coverings being off set from the wheel. Other tests led to the robot drifting in the right direction when moving forward and backward. This can be caused by an uneven distribution of electrical power to the motors or there is an unknown mechanical error or 3rd party influence on one wheel that isn't occurring on the other.

7. Classes and Module

a.
(25 points) Robot working [Video]
COMPLETED