ME210 Introduction to Mechatronics
Prelab 2

Winter 2026

Julia Jiang

0.1 Arduino Pins and Ports

- 5V: to potentiometer, L298
- GND: to potentiometer, L298
- PIN A0: to potentiometer wiper
- PIN 9: PWM out
- PINS 4, 5, 6, 7: to L298

0.2 Pin Initialization

- no pin initializations for A0 or PWM PIN 9
- initialization for pins connected to H-bridge:

```
#define OUTPUT_PIN_1 = 4;
#define OUTPUT_PIN_2 = 5;
#define OUTPUT_PIN_3 = 6;
#define OUTPUT_PIN_4 = 7;

void setup(){
  pinMode(OUTPUT_PIN_1, OUTPUT);
  pinMode(OUTPUT_PIN_2, OUTPUT);
  pinMode(OUTPUT_PIN_3, OUTPUT);
  pinMode(OUTPUT_PIN_4, OUTPUT);
}
void loop(){
  # write later
}
```