

## AME 30358 – Score Sheet

### M1 – Review of Electronics

Name(s): \_\_\_\_\_

For more details on any of the items below, please refer to the lab handout.

The following items will be *demonstrated* to the lab instructor during the allotted lab time. Credit will not be given for portions completed outside of lab.

Item and Description	Points Awarded	Possible Points
<b>Part I: Solenoid Magnet</b> The magnet can pick up a single paper clip. Values for $R$ , $N$ , $L$ , $I_{pc}$ , $B$ , and $V_L$ are written in lab notebook look correct.		4
<b>Part II: Digital Flip-Flop</b> Pressing the button toggles between the yellow and green LED.		4
<b>Part III: Potentiometer</b> Turning the potentiometer correctly adjusts the brightness of the LED. The PWM signal is visible on the oscilloscope.		4
<b>Part IV: Design Challenge</b> Turning the potentiometer correctly adjusts the brightness of the LED. Pressing the button selects which LED will be controlled by potentiometer		2
<b>Clean-up</b> The students returned the lab bench to its initial state. The students made a back-up of their code library.		2
<b>TOTAL</b>		16