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|  | E84: Introduction to Electrical Engineering  Lab 1 Solutions |  |

**Grading Rubric:**

2 Complete, succinct, and coherent typed lab report

WARM-UP

2 Warm-up Problem 1

2 Warm-up Problem 2

PART2

2 Schematic for each circuit

1 DC operating point

1 Transient

1 AC analysis

PART 3

1 Resistances within 5% tolerance

2 Output voltage and current

PART 4

1 Triangle wave distorted because of sampling rate

1 200 Hz square wave matches expectations

**Total: 16**

**Warm-Up**

1. V = 2.5V; I = 2.5 mA
2.  = RC;  = 2f0 (a) x(t) =  (b) x(t) = 

**MultiSim**







