Kit No. ⬜⬜   Date: ⬜⬜ / ⬜⬜ / ⬜⬜

USE TEMPLATE
01234
56789
MISFILL −1 PT
SORT Me
PARTNER

LABORATORY 1

Please print this sheet prior to coming to laboratory. Complete the pre-laboratory tasks in your lab notebook. Complete the lab tasks in **both** your lab notebook and this submission sheet.

1   Pre-laboratory Verification

4E ·· 1	4E ·· 2	4E ·· 3

4E ·· 4

2   Laboratory Verification

4E ·· 5	4E ·· 6	4E ·· 7

3 Deliverables

1. Copy the results table below (you may omit **0** values):

Base-2	Base-10	Calculated V_{out} (V)	Measured V_{out} (V)	$|(\mathbf{M} - \mathbf{C})/\mathbf{C} * 100\%|$
0000	0	0		—
0001	1	0.333		
0010	2			
0011	3			
0100				
0101				
0110				
0111				
1000				
1001				
1010				
1011				
1100				
1101				
1110				
1111				

2. Explain what the results table represents:

3. Staple a printout of the oscilloscope capture to the submission. Indicate the calculated magnitude and frequency of the signal:

   Magnitude: _____ V

   Frequency: _____ Hz