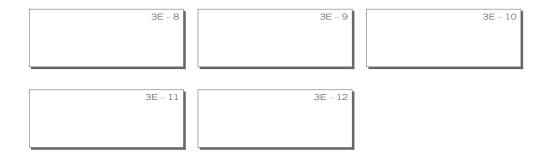
			USE TEMPLATE PARTNER PARTNER
Kit No.	Date:		56789 Misfill-1 pt Suith

LABORATORY 2

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



2 Laboratory Verification



3 Deliverables

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

		Calculated	IN	PUT	OUTPUT					
Base 2	Base 10	$V_{ m in}$	Measured	Level	Measured	Level				
		(V)	$V_{\rm in}\left({ m V}\right)$	(low/high)*	$V_{\text{out}}\left(\mathbf{V}\right)$	(low/high)*				
0000	0	0.000								
0001	1	0.220								
0010	2	0.440								
0011	3	0.660								
0100	4	0.880								
0101	5	1.100								
0110	6	1.320								
0111	7	1.540								
1000	8	1.760								
1001	9	1.980								
1010	10	2.200								
1011	11	2.420								
1100	12	2.640								
1101	13	2.860								
1110	14	3.080								
1111	15	3.300								

^{*} Based on IC datasheet values of $V_{\rm IH}, V_{\rm IL}, V_{\rm OH},$ and $V_{\rm OL}.$

2.	Explain what the results table represents. Focus especially on the logic levels and why the readings make sense (or don't).																										
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