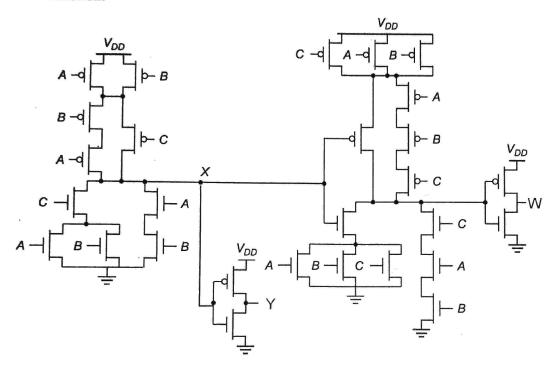
CoCO Studio #2 (25 Points Total)

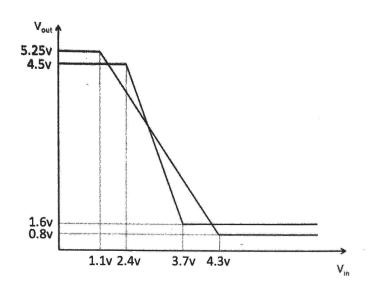
INDIVIDUAL ACTIVITIES!

1. (15 points) Given the following circuit with 3 inputs (A, B, and C) and 2 outputs (W and Y). Fill out the following truth table and describe its function.



A	В	С	W	Y	X
0	0	0		C	N. C.
0	Ŏ			0	
\circ		\mathcal{O}		ð	
Ö		\	0	1	0
(0	\mathcal{O}	1'	Ü	
\	0	\	0	\	. 0
\	7	O	0	1	Q
Ì	1	\	1		0
	thi	s is o	n adde	Υ,	

A Full Adder The W bit is the couput of the addition. The Y bit is the resultant carry value of the addition. 2. (10 points) Two Gates have VTC's are shown. Report the best Noise Margins among the two, below.



$$NM_L = 0.8 \sqrt{}$$

$$NM_{H} = \bigcirc Q$$

(One value for each answer, please!)