

Experiment # 3
Applications of Semiconductor Diodes
Prelab

Student ID:	Name:	Section:
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1. Truth table:

V_A (V)	V_B (V)	V_{out} (V)
0	0	
0	5	
5	0	
5	5	

Circuit logic function is:

2. Zener circuit output waveform:

Does the output shape change if the input amplitude is increased to 10V (peak)?

3. Limiter output waveform:

Does the output shape change if the input amplitude is decreased to 5V (peak)?

Instructor's signature: