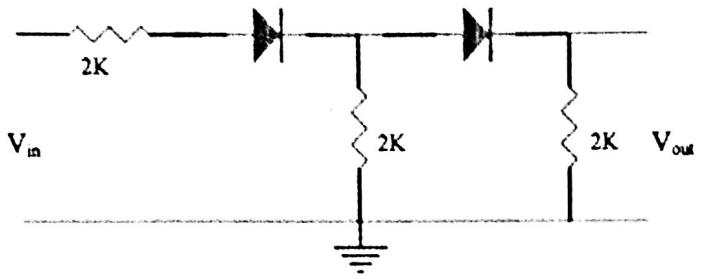
EXPERIMENT

1. Build the circuit in figure 1. From your prelab, determine reasonable peak-to-peak amplitude for V_{IN}. Set the waveform to triangle and frequency to**1kHz**. Using **X/Y** mode of the oscilloscope to plot V_{OUT} vs. V_{IN}



0-3

Figure 1

2. Build the circuit shown in figure 2.
   a) Set V_{IN} = **10**V_{pp} sine wave at **1kHz** with no DC component. Use oscilloscope to plot V_{OUT} vs. time and V_{IN} vs. time on the same axis. 4 (yellow Vin, blue Vout)
   b) Repeat (a) with V_{IN} = **0.8**V_{pp} -5
   c) Repeat (a) for circuit in figure 3. Find the **amplitude** of the ripple. 6 - 3V Tw/amplitude
   d) **Comment** on the observed results and computed results.

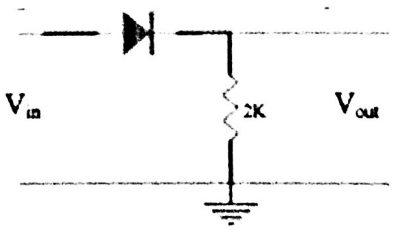


Figure 2

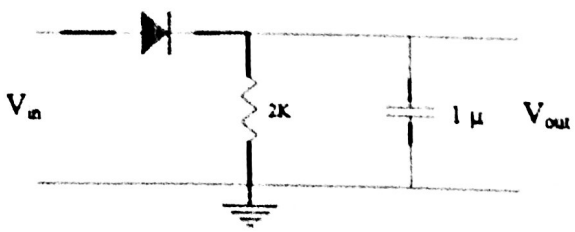


Figure 3