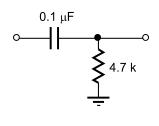
1. For the circuit shown, draw the Bode plot on the grid provided. Remember that a Bode plot is a log-log plot and be sure to put numbers and labels on the scales.



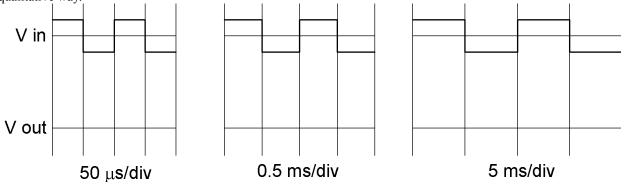
2. Consider sinewave signals driving the circuit above. For sinewave input signals at the following frequencies, indicate the ratio in two ways. If you're ready, also indicate the phase of those signals.

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Frequency	Vout/Vin (dB)	Vout/Vin (decimal)	Phase of output relative to input
3 Hz			
30 Hz			
100 Hz			
300 Hz			
1000 Hz			
3000 Hz			
10 kHz			
30 kHz			

3. Now consider square-wave signals. Draw the output waveform for the given square-wave inputs. Note the scale changes so the three square wave inputs have different frequencies

4. Determine the frequencies of these square-waves and try to relate the behavior to the Bode plot in a qualitative way.



5. Here's another one but of the other type. Complete the Bode plot on the right for this one too. Then label both this one and the previous one as either Hi-pass or Lo-pass.

