Homework 1 (Sim)

EE 321
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2.77   (a) See attached sheet.

(b) Plotting v_O/v_I, the average gain $A_V = 2.81$ (or $20\,\mathrm{dB}$). See attached sheet with "Gain" plot.

(c) The largest sine wave would be before saturation. If it saturates at $\pm 14\,\mathrm{V}$, then the largest sine wave would be $28\,\mathrm{V_{pp}}$ or $4.95\,\mathrm{V_{rms}}$.