

**HW #3**  
**ME104**  
**Due Friday 10/16 at 5pm**  
*(in box outside of CAD Lab)*

Using the circuit and component values of Problem 2.28 in the text, set the voltage source  $V_s = 10 \sin(10,000 t)$ . Solve for the current provided by the voltage source.

Problems 2.31, 2.35 from the text

Problems 3.3, 3.6 from the text

Problem 3.11 from the text (“real transistor” means the base-emitter drop is 0.7 volts when conducting)

Problem 3 from the phasor notes on mechanical systems