Due: Friday, September 4.

1. Text, problem 8.29. Solve the problem by hand calculation. Then, define state variables, determine the required initial conditions, and use Matlab to solve for the inductor current as well as the inductor voltage, $v_L(t)$. Plot the Matlab results (and verify they match your hand-calculation solution).

2. Text, problem 8.33. Solve the problem by hand calculation. Then, define state variables, determine the required initial conditions, and use Matlab to solve for the inductor current as well as the inductor voltage, $v_L(t)$. Plot the Matlab results (and verify they match your hand-calculation solution).