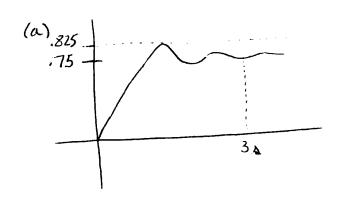
## ECE 460 Q3 - 01/31/01

NAME:

Honor Side KEY

A second-order system has 10% overshoot and 30 Settling Time. It has final value 0.75.

3-(a) Draw the Step response 7-16) Write the Transfer Function



(b) 
$$05 = 10\% = 3 = 0.5901$$
  
 $T_s = 3 = 3 + 13uh = 3$   
 $3 = 2.2595$ 

$$6(D) = 0.75 \left( \frac{5.105}{5^2 + 2.67D + 5.105} \right)$$