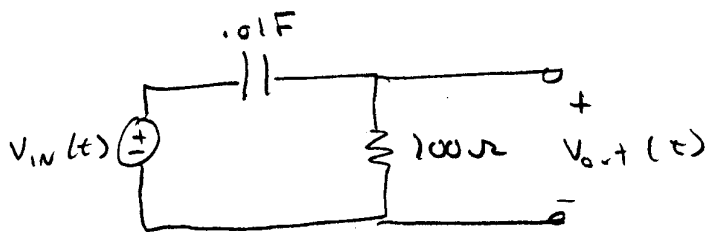


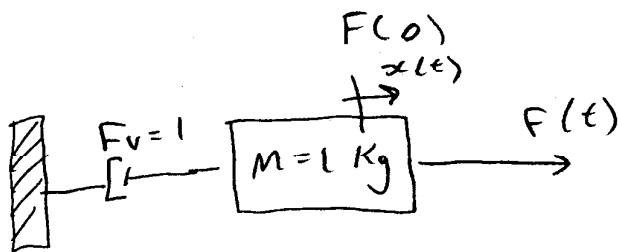
ECE 365 Q4 02/08/00 KEY

[5 pts] a) Find the Transfer Function
$$\frac{V_{out}(s)}{V_{in}(s)}$$



$$G(s) = \frac{100}{\frac{1}{.01s} + 100} = \frac{s}{s + 1}$$

[5 pts] b) Find the transfer Function
$$\frac{X(s)}{F(s)}$$



$$G(s) = \frac{1}{s(s+1)}$$