Homework assigned Wednesday, October 6

This is due Wednesday, October 20.

- The problems from last time. That is page 195, 1–4.
- Let a mass-spring-dashpot system have a mass with of $m = 6$ kg, a spring constant of $k = 2$ N and the friction constant of $c = 7$. If the intial position is $x(0) = -2$ and intial velecity is $\dot{x}(0) = 3$ find a formula for $x(t)$.
- Let a mass-spring-dashpot system have a mass with of $m = 2$ kg, a spring constant of $k = 10$ N and the friction constant of $c = 8$. If the intial position is $x(0) = 3$ and intial velecity is $\dot{x}(0) = 6$ find a formula for $x(t)$.