DAILY 3
APPLIED CALCULUS
DUE 08-29

Show your work!

(1) Consider the function $C(x) = -0.2x^2 + 8x + 40$ from class.
   (a) Find the equation of the secant line to the graph of this function passing through $x = 5$ and $x = 6$.
   (b) Find the equation of the tangent line at $x = 5$. (HINT: We saw in class that the slope is 6.)

- **Nine** book problems: #11.3.3, 5, 10, 16, 21, 26(a, b), 29(a, b), 33, 34.