Section 3.7

1. You should know the following
   (a) $\frac{d}{dy}(\log_a(x))$
   (b) how to do logarithmic differentiation

2. Write answers to the following questions in your notebook. (Wed Oct 30)
   Find the $\frac{du}{dt}$ for the following functions.
   (a) $y = x\sin(x)$
   (b) $y = \ln\left(\frac{3x^2(x^3 + 2x)^5}{\sin^5(x)}\right)$

Homework

   (a) WebAssign Problems: See WebAssign HW8
   (b) Hand-Written Problems to turn in: 3.7: 1 (read the section to find why!) 28. Due 11/6