Homework 1
Due on 09/15/2010

FYS 129: Exponents, Logs, and Finances

1) Compute:

(a) 3^3

(b) 2^{-3}

(c) $25^{1/2}$

(d) $(16/81)^{3/2}$

2) If $4^x = 64$, then what is x?

3) If $a^b = 4$ and $a^c = 3$, then compute:

(a) a^{2c}

(b) $a^{b/2}$

(c) a^{b+c}

[**Hint:** Use the basic properties of exponents.]