Quiz 7
Math 120U

1. Rewrite the following functions in the standard exponential form ($y = A_0 \, b^x$).

(a) $y = 3^{2-x}$

(b) $y = 4^2 (8)^{\frac{x}{2}}$

2. For this problem, it's okay to leave your problem in terms of logs. A can of Coke in 2002 costs 65 cents. A can of Coke in 1990 cost 50 cents.

(a) Find an exponential model for the price of a can of Coke t years after 1990.

(b) According to this model, when will the price be $1.