Progress Check: Solving Exponential Equations   Name: _____ Period: _____

Solve for x and show your work below. Round to the nearest hundredth!

1. $130 = x^3 + 5$

2. $3^x = 27$

3. Taniya has $2350 to invest in an account that earns 1.2% interest compounded quarterly. How many years will she need to keep her money invested in order to have $2500? Write an exponential equation, then solve algebraically. If you get stuck, try solving graphically.