**Algebra 1**

**Homework Oct 27th Due: Wed Oct 28th**

**Task**

**a)**The price of copper fluctuates. Between 2002 and 2011, there were times when its price was lower than $1.00 per pound and other times when its price was higher than $4.00 per pound. Copper pennies minted between 1962 and 1982 are 95% copper and 5% zinc by weight, and each penny weighs 3.11 grams. At what price per pound of copper does such a penny contain exactly one cent worth of copper? (There are 454 grams in one pound.) The answer will be between $1 and $4. Show your work.

**b)** The market price of Copper right now is $2.40 per pound. What is the current value of each penny at today’s price? (1962-1982 w/ 95% copper)