Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Compound Interest Assignment**

Each question is worth 4 points.

1. Amir invests $1000 at an annual compound interest rate of 2% for 10 years. How much is Amir’s investment worth after 10 years?

2. Jon invests an unknown amount of money at a monthly compound interest rate of 0.5%. After 6 years Jon has $800. How much did Jon initially invest?

3. Emily invests $800 at an annual compound interest rate of 1.2%. How long does it take for Emily’s investment to be worth $950?

4. Alex purchases a new computer worth $1200. The value of the computer depreciates over time. If Alex’s computer is worth $400 after 3 years, what is the rate of depreciation?