**Logarithms Review**

1. Use inverse operations to write the inverse of f(x) = x – 1/7.
2. Use inverse operations to write the inverse of f(x) = x/4 – 5.

1. Write the exponential equation 24 = 16 in logarithmic form.
2. Write the logarithmic equation log5125 = 3 in exponential form.
3. Evaluate log4$\left(\frac{1}{64}\right)$.
4. Express log2256 – log216 as a single logarithm. Simplify, if possible.
5. Simplify log327-3.

1. Simplify the expression log3243.
2. Evaluate log96561. If necessary round to the nearest tenth.
3. Simplify log6x4 – log6x.
4. The amount of money in a bank account can be expressed by the exponential equation $A=300e^{.025t}$ where A is the amount in dollars and t is the time in years. About how many years will it take for the amount to be more than $900?
5. Simplify ln e-5x.
6. Tristan invests $3,600 in an account that earns 3.5% interest compounded continuously. What is the total amount of her investment after 8 years? Round your answer to the nearest cent.