**Algebra 2 CP Worksheet Natural Logarithm Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Evaluate using a calculator. Round to three decimal places.**

**Simplify each expression.**

**Expand each expression.**

**Condense each expression.**

**Solve each equation using the natural logarithm function.**

**Solve each equation.**

**Use the formula to solve.**

1. A piece of charcoal from an ancient campsite is found in an archeological dig. It contains 9% of its original amount of carbon-14. Estimate the age of the charcoal.