**Honors- Math 3** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 5 Review

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Find the inverse of and graph both functions. Then, state the domain, range, and asymptote of both.  |  |  |  |  | | --- | --- | --- | --- | |  | **Domain** | **Range** | **Asymptote** | |  |  |  |  | |  |  |  |  | | 1. Find the inverse of and graph both functions. Then, state the domain, range, and asymptote of both.  |  |  |  |  | | --- | --- | --- | --- | |  | **Domain** | **Range** | **Asymptote** | |  |  |  |  | |  |  |  |  | |
| 1. Find the inverse of and graph both functions. Then, state the domain, range, and asymptote of both.  |  |  |  |  | | --- | --- | --- | --- | |  | **Domain** | **Range** | **Asymptote** | |  |  |  |  | |  |  |  |  | | 1. Find the inverse of and graph both functions. Then, state the domain, range, and asymptote of both.  |  |  |  |  | | --- | --- | --- | --- | |  | **Domain** | **Range** | **Asymptote** | |  |  |  |  | |  |  |  |  | |

**Solve each equation. Round each answer to the hundredths.**

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| 1. Evaluate the following expressions: |  |
| 1. Rewrite the equation in natural log (ln) form. 2. Rewrite in exponential form | 1. Condense the following logarithms: |