# Algebra 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# HW #1 Solving Exponential and Log Equations Per: \_\_\_\_

I. Solve by simplifying each logarithmic expression to a single logarithm and then rewriting in exponential form.

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| 1. | 2. | 3. |

II. Solve by either taking the log of both sides OR by rewriting in logarithmic form. Round to the nearest hundredth when necessary.

|  |  |
| --- | --- |
| 4. | 5. |
| 6. | 7. |

III. Factor completely. **Some problems may require more than one step**. Always look for the GCF first, then think about the number of terms (don’t forget about the difference of squares!)

|  |  |
| --- | --- |
| 8) | 9) |
| 10) | 11) |
| 12) | 13) |