|  |  |
| --- | --- |
| If I’m solving an equation that has… | I should use \_\_\_\_ to “undo” it. |
|  |  |
|  |  |
|  |  |
|  |  |

As always with solving, you MUST isolate the exponential or log \_\_\_\_\_\_ applying its inverse.

**Solving Exponential Equations with DIFFERENT BASES (that can NOT be rewritten)**

*Example: Solve. Round your answer to the hundredths place if necessary.*

|  |  |
| --- | --- |
|  |  |

**Solving Equations with “e” and “ln”**

*Example: Solve. Round your answer to the hundredths place if necessary.*

|  |  |
| --- | --- |
|  |  |

**Solving Equations with Common Logs**

**\*** Just like exponential equations with common bases, logarithmic equations with common logs ***\_\_\_\_\_\_\_\_\_*** out.

*Example: Solve. Round your answer to the hundredths place if necessary.*

|  |
| --- |
|  |

**Solving Equations with Logs**

*Example: Solve. Round your answer to the hundredths place if necessary.*

|  |  |
| --- | --- |
|  | log -m + 2 = 4 |
| What can you conclude from this example? | |