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

Properties of Logs Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_

**Simplify each expression.**

|  |  |
| --- | --- |
| 1.) | 2.) |
| 3.) | 4.) |

**Expand each logarithm.**

|  |  |
| --- | --- |
| 5.) | 6.) |
| 7.) | 8.) |

**Condense each logarithm.**

|  |  |
| --- | --- |
| 9.) | 10.) |
| 11.) | 12.) |