**Name:**

**Module 2 Quiz Review**

(Logarithmic Functions 2.1 – 2.3)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **(A)** | **(B)** | **(C)** | **(D)** | **(E)** |

1. Above you are given five different logarithmic expressions. Put these expressions in numerical order from smallest to largest by writing the *letter* that corresponds with each expression on the lines below.

Rank here:

\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

Smallest Largest

**Part II**:

*Expand each logarithmic expression*

|  |  |  |  |
| --- | --- | --- | --- |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |

*Write an equivalent exponential expression*

|  |  |  |  |
| --- | --- | --- | --- |
| \_\_\_\_\_\_ 7. |  |  |  |
| \_\_\_\_\_\_ 8. |  |  |  |
| \_\_\_\_\_\_ 9. |  |  |  |
| \_\_\_\_\_\_ 10. |  |  |  |
| \_\_\_\_\_\_ 11. |  |  |  |

**Part III**: *Short Answer*

12. = ? 13. Expand: