Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1.7 Homework**

**Simplify the following expressions.**

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

**Evaluate the following functions for f(-1), f(0), and f(3).**

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

**For each of the following representations of a given function please state if it is Linear, Exponential, Quadratic or None.**

|  |  |  |
| --- | --- | --- |
| 13. | 14. | 15. |
| 16. | 17. | 18. |
| 19.   |  |  | | --- | --- | |  |  | | -1 | 3 | | 0 | 5 | | 1 | 7 | | 2 | 9 | | 20.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | x | -1 | 0 | 1 | 2 | | y | 1 | 2 | 4 | 8 | | 21.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | -1 | 0 | 1 | 2 | |  | 0 | -1 | 0 | 3 | |

**Look at the following pattern. Create a TABLE. Identify the type of function (Linear, exponential, or quadratic). Write the recursive and the explicit equation.**

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

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2

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3