Day 8 Warm Up

Algebra 2

1. Using your calculator find the solution to the system of equations:

$$y=e^{x}$$

 y = .4x + 5

2. Day 7 Review: Which one of the following tables represents a linear function?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | 0 | 1 | 2 | 3 |
| y | 4 | 6 | 7 | 10 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | 0 | 4 | 8 | 12 |
| y | 5 | -5 | 5 | -5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | 1 | 4 | 8 | 10 |
| y | 1 | 7 | 15 | 19 |

3. Solve the following equation, by hand, below: 12x – 1 + 18 = 5x + 31

4. Use the graph of the function to answer the following questions:



What’s the value of f(-1) + f(4) ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Given the function, f(x) = $e^{3x}+sinx$, fill in the table using your graphing calculator. Remember to use your “table set” feature and change the “independent” to “ask” (not the dependent)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | 0 | 1.23 | 4.56 | 7 |
| y |  |  |  |  |