Exponentials Review

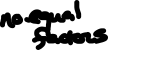
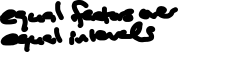
Tell whether the ordered pairs satisfy an exponential function. Explain your answer.

1. 2. 3.

|  |  |
| --- | --- |
| x | y |
| −4 | 1.5 |
| −3 | 3 |
| −2 | 6 |
| −1 | 12 |

|  |  |
| --- | --- |
| x | y |
| −2 | −2 |
| −1 | −10 |
| 0 | −50 |
| 1 | −250 |

|  |  |
| --- | --- |
| x | y |
| 1 | 1 |
| 2 | 2 |
| 3 | 6 |
| 4 | 24 |



4. {(1,10), (2, 20), (3, 40), (4, 80)} \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



5. {(1,5), (2, 10), (3, 15), (4, 20)} \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



For 6-11,

1. Is it Linear or Exponential?

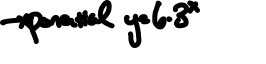
2. Write the Equation for the Table

6. 7. 8.

|  |  |
| --- | --- |
| x | y |
| −4 | 16 |
| −3 | 20 |
| −2 | 24 |
| −1 | 28 |

|  |  |
| --- | --- |
| x | y |
| −2 | 100 |
| −1 | 10 |
| 0 | 1 |
| 1 | 1/10 |

|  |  |
| --- | --- |
| x | y |
| -2 | 2/3 |
| -1 | 2 |
| 0 | 6 |
| 1 | 18 |



|  |  |
| --- | --- |
| x | y |
| 0 | 2 |
| 1 | 11 |
| 2 | 60.5 |
| 3 | 332.75 |

|  |  |
| --- | --- |
| x | y |
| 2 | 6 |
| 3 | 10 |
| 4 | 14 |
| 5 | 18 |

|  |  |
| --- | --- |
| x | y |
| −2 | 9 |
| −1 | 18 |
| 0 | 27 |
| 1 | 36 |

9. 10. 11.



**Graph the Following Functions.**

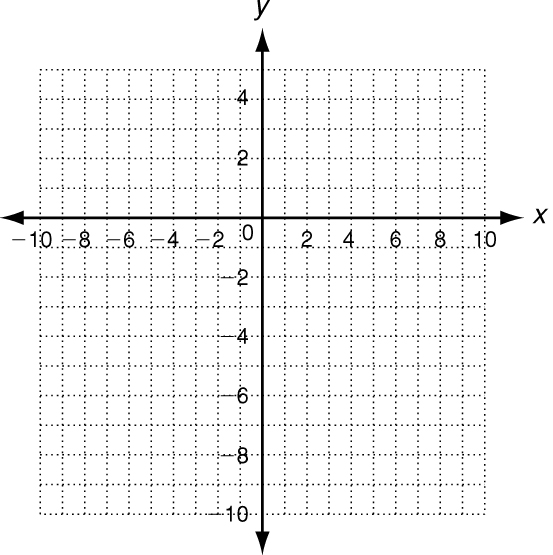
12. y  −4 (0.5)x 13. y  2 (5)x 14. y  (2)x – 3

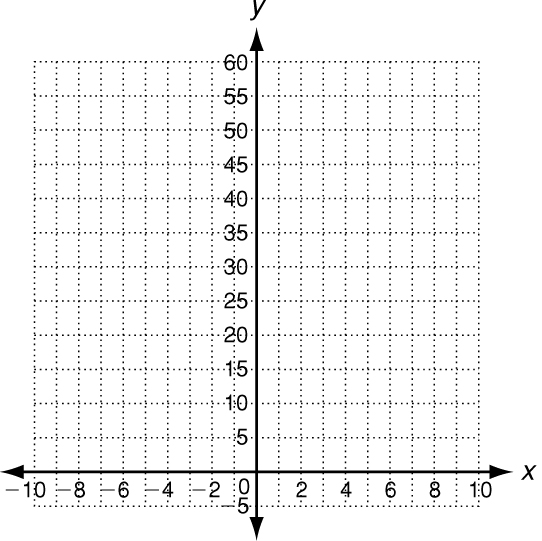
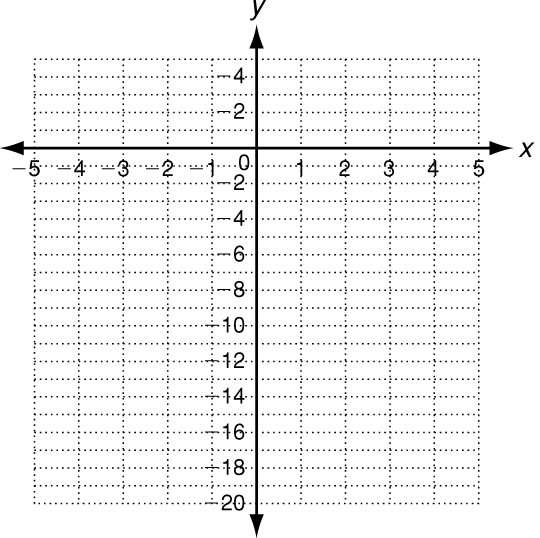
|  |  |
| --- | --- |
| x | y |
| −1 |  |
| 0 |  |
| 1 |  |
| 2 |  |

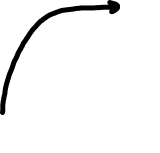
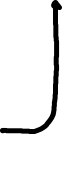
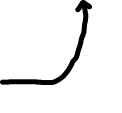
|  |  |
| --- | --- |
| x | y |
| −1 |  |
| 0 |  |
| 1 |  |
| 2 |  |

|  |  |
| --- | --- |
| x | y |
| −2 |  |
| −1 |  |
| 0 |  |
| 1 |  |









Domain:

Range:

Asymptote:

Domain:

Range:

Asymptote:

Domain:

Range:

Asymptote: