

## Exponentials Review

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

1.

$x$	$y$
-1	1.5
-2	3
-3	6
-4	12

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2.

$x$	$y$
1	1
2	2
3	6
4	24

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3.

$x$	$y$
-2	-2
-1	-10
0	-50
1	-250

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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.

$x$	$y$
-1	16
-2	20
-3	24
-4	28

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7.

$x$	$y$
-2	$\frac{2}{3}$
-1	2
0	6
1	18

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8.

$x$	$y$
-2	100
-1	10
0	1
1	$\frac{1}{10}$

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9.

$x$	$y$
-2	9
-1	18
-0	27
1	36

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10.

$x$	$y$
0	2
1	11
2	60.5
3	332.75

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11.

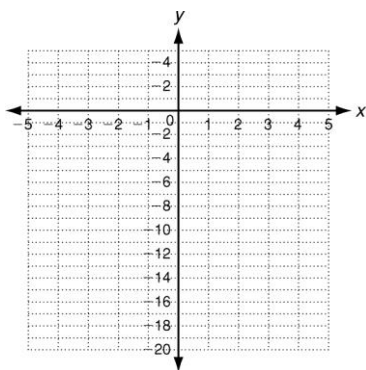
$x$	$y$
2	6
3	10
4	14
5	18

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**Graph the Following Functions.**

12.  $y = -4 (0.5)^x$

x	y
-2	
-1	
0	
1	



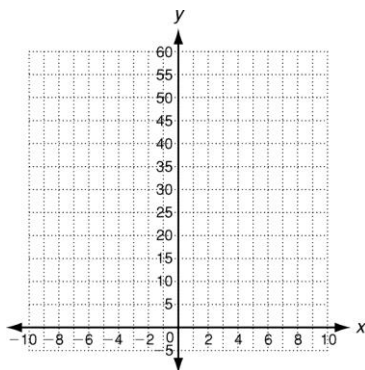
Domain:

Range:

Asymptote:

13.  $y = 2 (5)^x$

x	y
-1	
0	
1	
2	



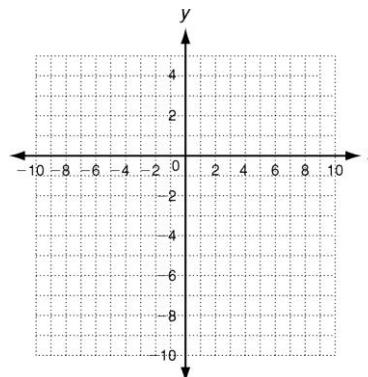
Domain:

Range:

Asymptote:

14.  $y = (2)^x - 3$

x	y
-1	
0	
1	
2	



Domain:

Range:

Asymptote: