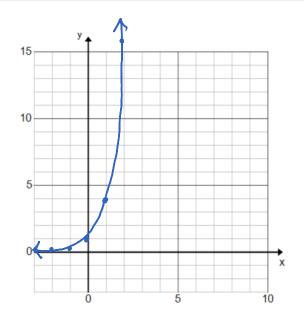
Algebra H 8.5-8.6 Review Day 1 HW



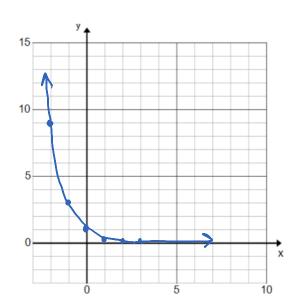
х	-2	-1	0	1	2	3
у	1/16	1/4	- [4	16	64



Name: Key Period:

2.
$$y = \left(\frac{1}{3}\right)^{x}$$

х	-2	-1	0	1	2	3
у	9	3	l	1/3	1/9	1/27



Determine if each of the following represents exponential GROWTH or DECAY

3)
$$y = 3^x$$

4)
$$y = \left(\frac{1}{4}\right)^x$$

5)
$$y = (3.3)^x + 8$$

5)
$$y = (3.3)^x + 8$$
 6) $y = (\frac{4}{5})^{x+3} - 9$

$$y = \left(\frac{9}{4}\right)^x$$

7)
$$y = \left(\frac{9}{4}\right)^{x}$$
 8) $y = \left(\frac{10}{9}\right)^{-x} \left(\frac{9}{10}\right)^{x}$ 9) $y = (2)^{-x} + 3$ 10) $y = (1.01)^{x} - 3$

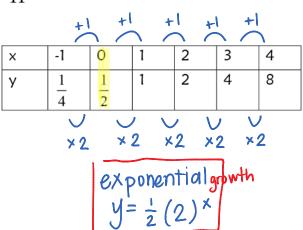
9)
$$y = (2)^{-x} + 3$$

10)
$$y = (1.01)^x - 3$$

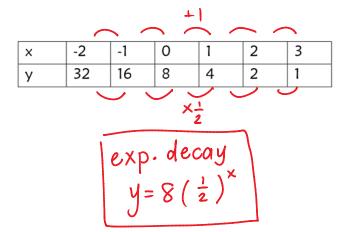
Linear or exponential? Decide if the equation is linear or exponential and then write an equation that represents the "rule" for the table:

U

11



12.

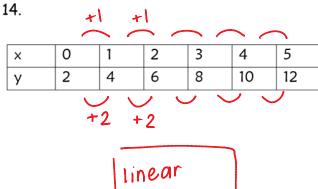


13.

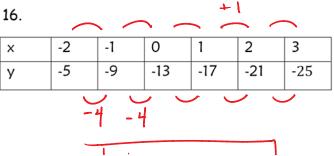
		\ /	~ /	~ /	\ \ \				
×	-2	-1	0	1	2	3			
У	1	4	16	64	256	1024			
			×	4					
	exp. growth								
			erp.	910					
			y:	=16(4)*				

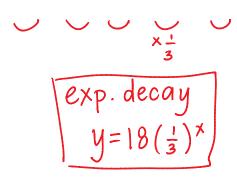
+1

+1



15.		\		· +	\		
X	-2	-1	0	1	2	3	
У	162	54	18	6	2	$\frac{2}{3}$	





Linear
$$y = -4 \times -13$$