Name:		Period:	Score:
HW 4-1 HONORS	: Graphing Exponent	<u>ial Functions</u>	//
b) Graph each expo Use graph pape	er to make your graphs. Movided, state whether the f	separate paper. st graph the 5 points given in th ake sure to label your axes. unction is increasing or decrea	e table.
d)	· · · · · ·		
$y = 4(2)^x$		$2) y = 27 \left(\frac{1}{3}\right)^x$	
a. $x y$	b.	a. $x y$	b.
- 2		- 2	
- 1		- 1	
0		0	
1		1	
1		1	
2			
cand		cand	
			
$y = -3(7)^x$		$4) y = -2\left(\frac{1}{2}\right)^x$	
x y	b. · · · · · · ·	av	b
- 2		x y	
1		- 2	
- 1		- 1	
0		0	
1			
		1	
2		2	
c		c	
and		and	
	<u> </u>		

5)
$$y = -2(5)^x$$

a	

x	y
- 2	
- 1	
0	
1	
2	

b.

•			•	•
		٠		

6) <i>y</i> =	6) $y = 100 \left(\frac{1}{5}\right)^x$				
a.	x	У			
	- 2				
	- 1				
	0				
	1				
	2				

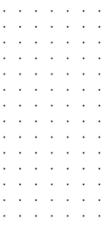
b.

and				
			•	•
		•	•	•
		•	•	•

7)
$$y = 6(3)^x$$

x	y
- 2	
- 1	
0	
1	
2	

b.



	$8) \ \ y = \left(\frac{1}{2}\right)^x$					
a.	x	y				
	- 2					
	- 1					
	0					
	1					
	2					

b.

•	•	•	•	•	•
			•	•	

and

and



9)	y	=	-((8)	د (
•			1	,	,

a.

X	y
- 2	
- 1	
0	
1	
2	

b.

		٠	٠	•	

10) $y = -64 \left(\frac{1}{4}\right)^x$				
a.	x	y		
	- 2			
	- 1			
	0			
	1			
	2			

•						
	•	•	•	•	•	•
	-				-	
	•				•	

anu	

12) $y = 3(2)^x$

the common ratio.

Try graphing this equation WITHOUT making a table. Use the initial value and

11)	11	_ = = >

a.

X	y
- 2	
- 1	
0	
1	
2	

b.

