

Graphing Equations Using a Table

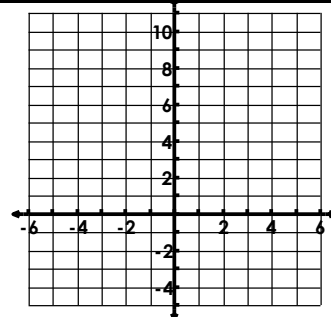
Name: _____ Class Period _____

Graphing Linear Functions: Graph each linear function using a table.

$$y = mx + b$$

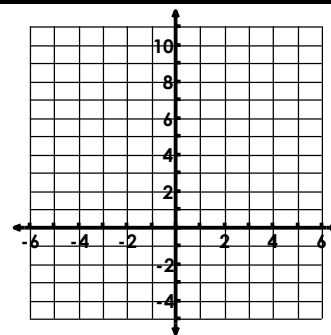
1. $y = -2x + 7$

x	y
-2	
-1	
0	
1	
2	



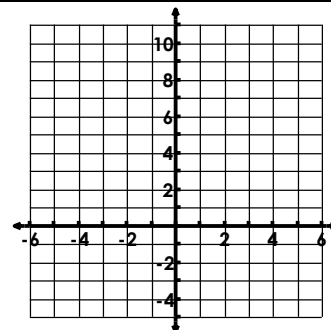
2. $y = \frac{1}{2}x - 1$

x	y
-2	
-1	
0	
1	
2	



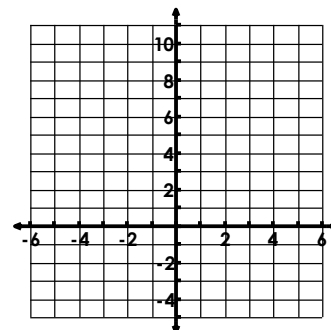
3. $y = -x - 2$

x	y
-2	
-1	
0	
1	
2	



4. $y = 3x$

x	y
-2	
-1	
0	
1	
2	



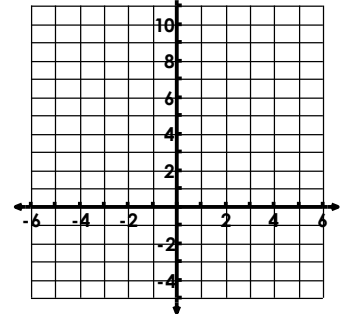
5. What part of the equations makes a linear function increase or decrease?

Graphing Exponential Functions: Graph each exponential function using a table

$$y = a(b)^x$$

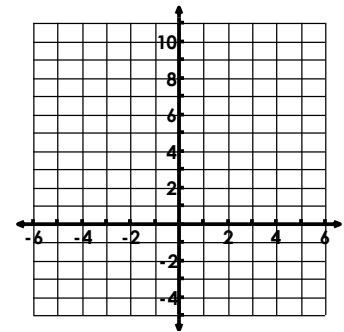
6. $y = 2^x$

x	y
-2	
-1	
0	
1	
2	



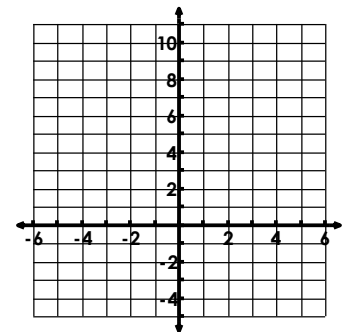
7. $y = 3^x$

x	y
-2	
-1	
0	
1	
2	



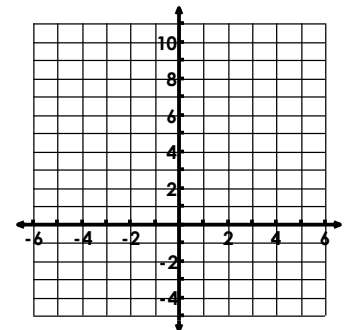
8. $y = \left(\frac{1}{2}\right)^x$

x	y
-2	
-1	
0	
1	
2	



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

x	y
-2	
-1	
0	
1	
2	



10. What is one difference you see between linear and exponential functions?

11. What part of the equations makes an exponential function increase or decrease?