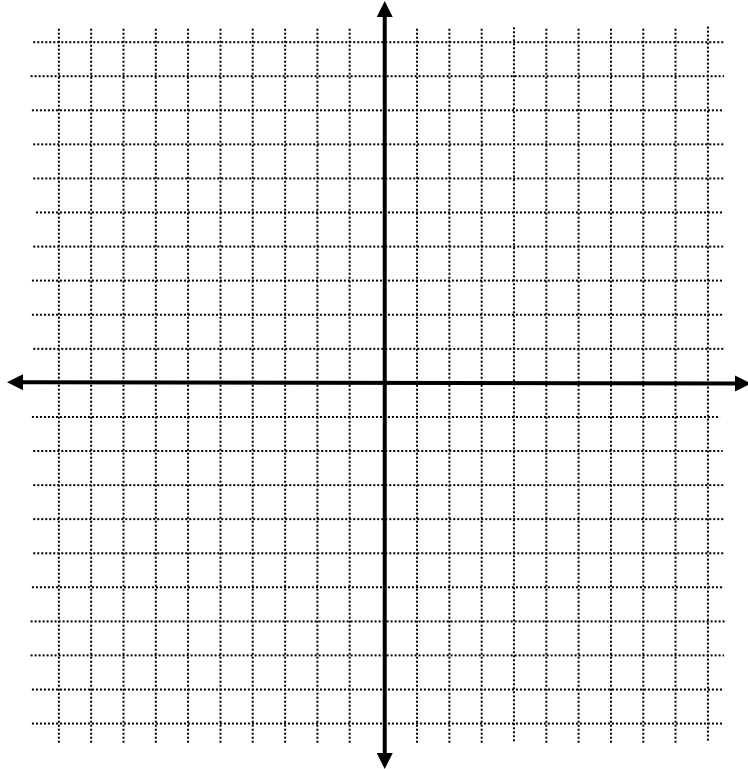


Exponential Functions Review Worksheet

Graph the functions

1. $f(x) = 2^x$

x	y
- 3	
- 2	
- 1	
0	
1	
2	
3	



2. Write the rule using function notation.

x	0	1	2	3	4	5	6
y	2	8	32	128	512	2048	8192

Use the table above or the rule to find:

a) $f(4) =$ _____ b.) $f(0) =$ _____ c.) $f(2) =$ _____ d.) $f(5) =$ _____

3. Use the function rule to find the following: $y = 5(2)^x$

a) $f(0) =$ _____ b.) $f(3) =$ _____ c.) $f(-2) =$ _____ d.) $f(2) =$ _____

4. Use the function rule to find the value of x: $y = (5)^x$

a) $f(x) = 1$ b.) $f(x) = 125$ c.) $f(x) = 25$ d.) $f(x) = 625$