Final Review #2: Exponential Expressions and Functions

Expressions:

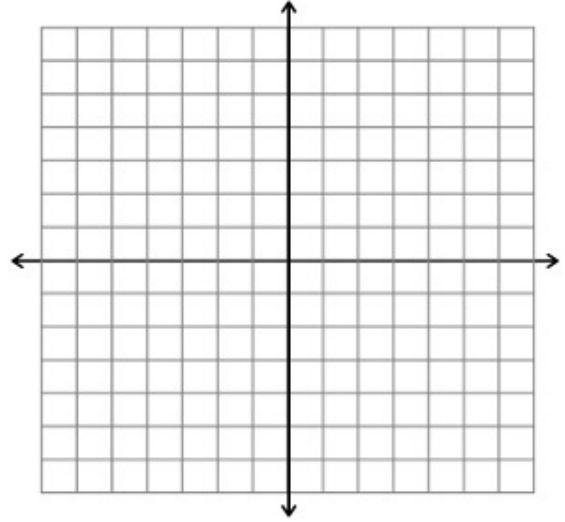| Important Details to Know:	Properties of Exponents:

Examples:

$-(2x)^2(x^{-1})$	

Functions:

The general form for an exponential function is $y = a \cdot b^x$:

x	$y = a \cdot b^x$
-3	
-2	
-1	
0	
1	
2	
3	

<u>Examples, with four general shapes:</u>

1. $y = 3(2)^x$

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

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

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