# **Exponential Functions**

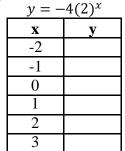
## Complete the table

$y = (3)^x$		
X	y	
-2		
-1		
0		
1		
2		
3		

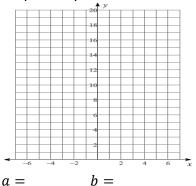
## Complete the table

$y = 2(3)^x$		
X	y	
-2		
-1		
0		
1		
2		
3		

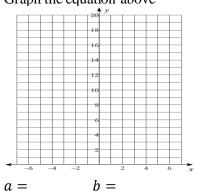
### Complete the table



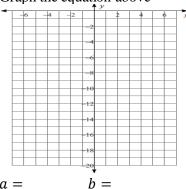
#### Graph the equation above



Graph the equation above



Graph the equation above



Growth or Decay

## Growth or Decay

Complete the table

ał	ole		Compl	lete the ta	ble
$2\left(\frac{1}{2}\right)^x$			y = -	$\frac{1}{2}\left(\frac{1}{2}\right)$	
	y			X	y
				_2	

2 (2)		
X	y	
-2		
-1		
0		
1		
2		
3		

## Complete the table

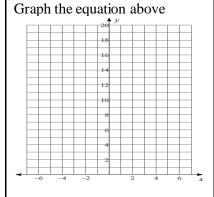
e the table
$$y = \left(\frac{1}{2}\right)^x$$

$$x \qquad y$$

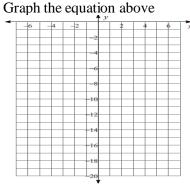
	(4)
X	y
-2	
-1	
0	
1	
2	
3	

2

y =X -2 -1 0



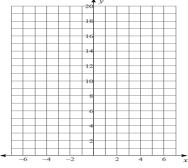
b =



$$a = b =$$

Growth or Decay

## Graph the equation above



$$a = b =$$

Growth or Decay

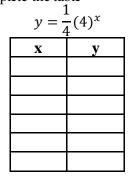
a =

Growth or Decay

Compl	ete the tal	
	<i>y</i> =	$\left(\frac{1}{4}\right)^{x}$
	X	

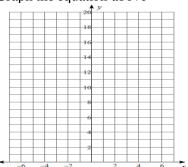
<i>y</i> =	$\left({4}\right)$
X	y

Complete the table		
	y = -	$-3(2)^{-3}$
	X	у

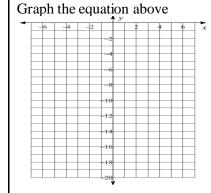


Complete the table

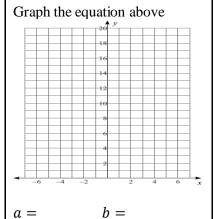
Graph the equation above



b =



b =



a =

a =

a = b =Growth or Decay

Complete the table

blete the table
$$y = -(4)^{x}$$

$$x$$

$$y$$

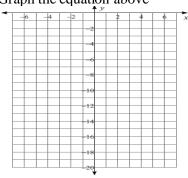
Complete the table  $(1)^x$ 

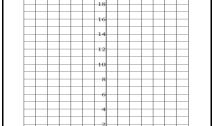
$y = 3\left(\frac{1}{3}\right)^n$		
X	y	

Complete the table

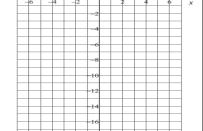
$y = -5(\frac{1}{2})^x$		
X	y	

Graph the equation above





Graph the equation above



Graph the equation above

$$a = b =$$

$$a = b =$$

a = b =

Growth or Decay

Growth or Decay

Growth or Decay