

## HW 5-2

### Graphing Exponential Functions – DAY 2

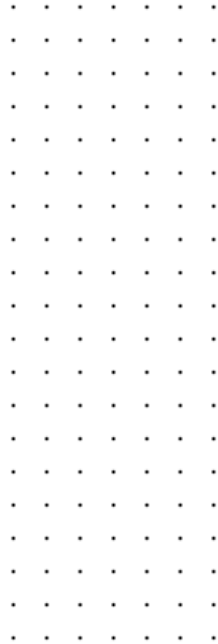
**Sec 1****Unit 5**

Instructions:

- a) Complete the table of values
- b) Graph. Make sure you label your graph and asymptote.

1)  $f(x) = \left(\frac{1}{4}\right)^x$

$x$	$y$
-2	
-1	
0	
1	
2	



2)  $y = \left(\frac{1}{5}\right)^x$

$x$	$y$
-2	
-1	
0	
1	
2	



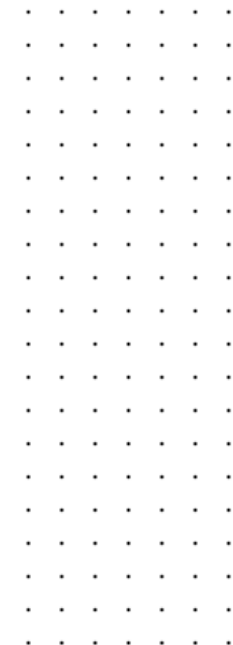
3)  $f(x) = 2\left(\frac{1}{3}\right)^x$

$x$	$y$
-2	
-1	
0	
1	
2	



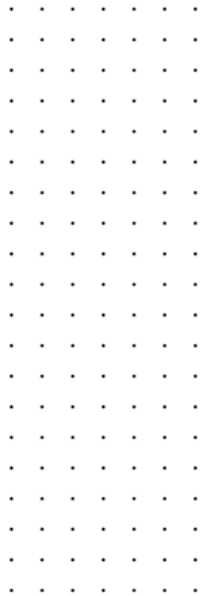
4)  $y = -2\left(\frac{1}{2}\right)^x$

$x$	$y$
-2	
-1	
0	
1	
2	



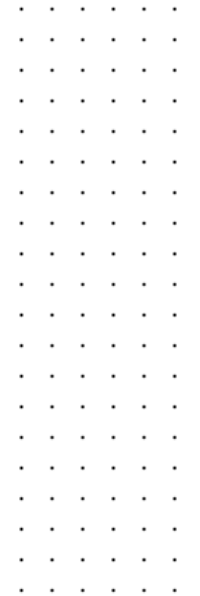
5)  $f(x) = -\left(\frac{1}{3}\right)^x$

x	y
-2	
-1	
0	
1	
2	



6)  $y = 100\left(\frac{1}{5}\right)^x$

x	y
-2	
-1	
0	
1	
2	



7)  $f(x) = 3(2)^x$

x	y
-2	
-1	
0	
1	
2	



8)  $y = -64\left(\frac{1}{4}\right)^x$

x	y
-2	
-1	
0	
1	
2	



9)  $f(x) = -4(5)^x$

x	y
-2	
-1	
0	
1	
2	



10)  $y = -(4)^x$

x	y
-2	
-1	
0	
1	
2	

