Determine the equation for each scenario given.

1. My initial value is 1 and every time my x-value increases by 1, my y-value doubles.

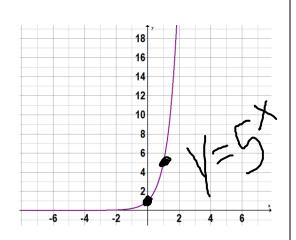


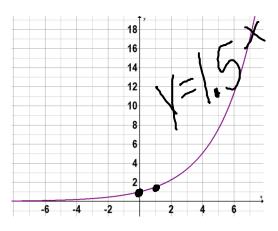
2. My initial value is 1 and every time my value increases by 1, my y-value gets cut in half.

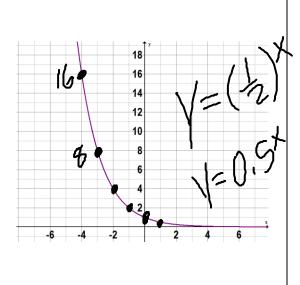
3. Here's my table, what's my equation?

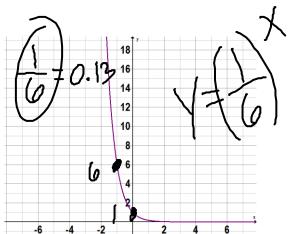
There s my table, what s my equation	••
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
x y -2 0.04 -1 0.2 0 1 1 5 2 25	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

4. Here's my graph, what's my equation?









5. Here's my equation, make me a table of values!

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

	1
X	У
-2	4
-1	2
0	
1	() (%
2	0.20

$$y = 4^x$$

$$y = 0.4^{-1}$$

х	y . , y
-2	6.29 5.0,4
-1	2.5 5 -0.
0	1 5x0.4
1	0.4 d X 0.4
2	0.16