Exponential functions in the form of: $y = b^x$ 7-1

Team	Has an increasing graph	Has a decreasing graph
1	y = 4 x	y = 0.6x
2	y = 2x	$y = 0.3^{\times}$
3	4= 1.5 x	$y = (\frac{2}{3})^{x}$
4	$y = 1.8$ $y = 100 \times$	$y = \left(\frac{3}{4}\right)^{\chi}$
5	J	J
6		
7		
8		
9		

7-4 Describe how the value of b effects the shape of the graph in each of the cases below. Make a t-chart and rough sketch of a graph for each situation. Describe the basic shape of the graphs, including asymptotes, symmetry, what happens as x gets larger or smaller, or other aspects that seem unique or important.

Description	T-chart	Sketch of Graph		
as x increasing also increasing	x -2 -1 0 1 2 y 1 1 1 2 4	الرما	y=2×	
as x incruses, y decreases	VI-2 -1 0 1 2 y 4 2 1 1 1 4	2 (0,1)	y=(1)	
b=1 horizontal line @ $y=1$	X1-2-10112 Y1111111	^ (0,1) >	y=12	
$b = 0$ If $x = -1$; $y = 0^{-1} = \frac{1}{0}$ whethered $0^{\circ} \neq 1$	X1-2-1012 y1字写写00	L Questina	y=ox	
M(c) : (1)				

Were there aspects of the graphs for each situation that did not change? All have (0,1) as yint. 5

First 2 graph have asymptotes?