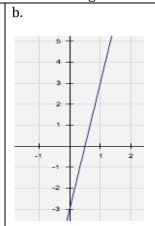
Ready, Set, Go!

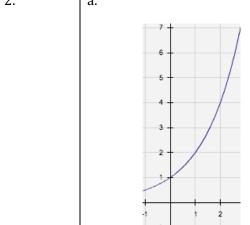
Ready

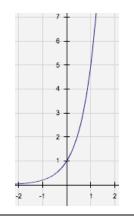
Topic: Comparing rates of change in both linear and exponential situations. Identify whether situation "a" or situation "b" has the greater rate of change.

b.

identily whe	etner situati	ion a orsi
1.	a.	
	X	у
	-10	-48
	-9	-43
	-8	-38
	-7	-33
2.	a.	
		7 +







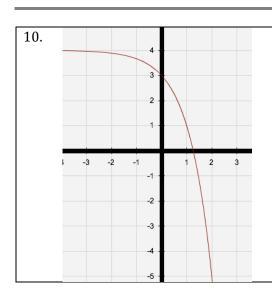
3.	a. Lee has \$25 withheld each week from his salary to pay for his subway pass.	b. Jose owes his brother \$50. He has promised to pay half of what he owes each week until the debt is paid.
4.	a. x 6 10 14 18 y 13 15 17 19	b. The number of rhombi in each shape. Figure 1 Figure 2 Figure 3
5.	a. y = 2 (5) ^x	b. In the children's book, <i>The Magic Pot</i> , every time you put one object into the pot, two of the same object come out. Imagine that you have 5 magic pots.

Set

Topic: Recognizing linear and exponential functions.

For each representation of a function, decide if the function is linear, exponential, or neither.

6. The population of a town is decreasing at a rate of 1.5% per year.	7.			
rate of 11070 per years	Side of a square	Area of a square		
	1 inch	1 in ²		
	2 inches	4 in ²		
	3 inches	9 in ²		
	4 inches	16 in ²		
8. $3x + 4y = -3$	ry of \$30,000 per year plus a on sales.			



11.

"On the 4th day of Christmas my true love gave to me, 4 calling birds, 3 French hens, 2 turtledoves, and a partridge in a pear tree."

The number of gifts received each day of "The 12 Days of Christmas" as a function of the day.

Go

Each of the tables below represents a geometric sequence. Find the missing terms in the sequence.

12.

Х	1	2	3	4	5
У	2				162

13.

X	1	2	3	4	5
у	1/9			-3	

14.

X	1	2	3	4	5
у	10				0.625

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Period:

15.

Name:

X	1	2	3	4	5
у	g				gz ⁴

16.

X	1	2	3	4	5
у	-3				-243

Need Help? Check out these related videos and internet sites:

sequences: http://www.youtube.com/watch?v=THV2Wsf8hro