Neither?

2.3 Linear, Exponential or

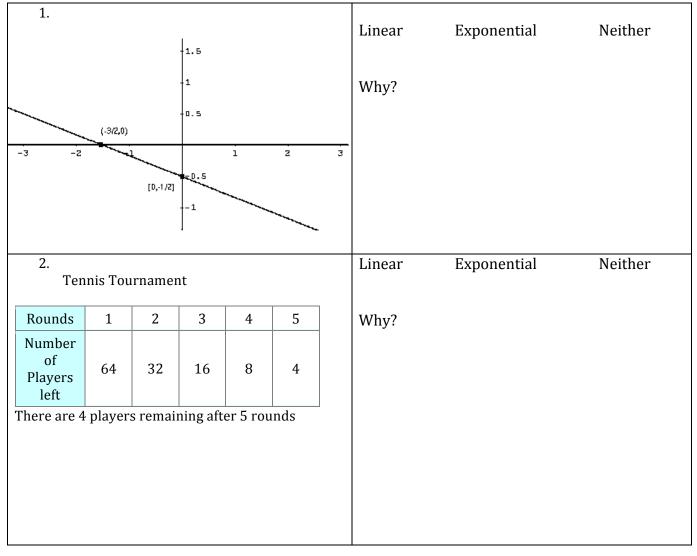
A Practice Understanding Task



https://flic.kr/p/a8uzeA

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

Give at least 2 reasons for your answer.



SECONDARY MATH 1 // MODULE 2 LINEAR & EXPONENTIAL FUNCTIONS - 2.3

y = 4x	Linear	Exponential	Neither
	Why?		
4.			
This function is decreasing at a constant rate	Linear	Exponential	Neither
•	Why?		
5.			
y 3.5 3 2.5	Linear	Exponential	Neither
1.5 1 0.5	Why?		
T i 2 3 4 5 6 7 8 9 10 11 12			

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6. A person's height as a function of a person's age (from age 0 to 100)	Linear Why?	Exponential	Neither
-3x = 4y + 7	Linear Why?	Exponential	Neither
8.	Linear Why?	Exponential	Neither



SECONDARY MATH 1 // MODULE 2 LINEAR & EXPONENTIAL FUNCTIONS - 2.3

9.				
Height in Inches	Shoe Size	Linear	Exponential	Neither
62	6	Ziiioui	Emponement	110101101
74	13			
70	9	Why?		
67	11			
53	4			
58	7			
10. The number of cell phor function of years, if the i	ne users in Centerville as a	ı Linear	Exponential	Neither
increasing by 75% each	year.	Why?		
11.	-12	Linear	Exponential	Neither
-11 -10 -9 -8 -7 -6 -5	9	Why?		

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12. The time it takes you to get to work as a function the speed at which you drive	Linear	Exponential	Neither
	Why?		
13.			
$y = 7x^2$	Linear	Exponential	Neither
	Why?		
14.			
Each point on the graph is exactly 1/3 of the previous point.	Linear	Exponential	Neither
	Why?		



SECONDARY MATH 1 // MODULE 2 LINEAR & EXPONENTIAL FUNCTIONS - 2.3

15. $f(1) = 7, f(2) = 7, f(n) = f(n-1) + f(n-2)$	Linear	Exponential	Neither
	Why?		
16. $f(1) = 1, f(n) = \frac{2}{3}f(n-1)$	Linear	Exponential	Neither
	Why?		