Warmup: Matching Activity

Below are three graphs, three tables, and three functions. Identify the table and graph that represents each of the three functions.

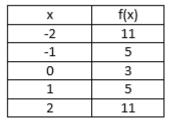
A)
$$f(x) = 2x + 3$$

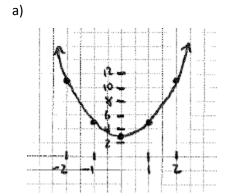
A)
$$f(x) = 2x + 3$$
 B) $f(x) = 2x^2 + 3$ C) $f(x) = 2^x + 3$

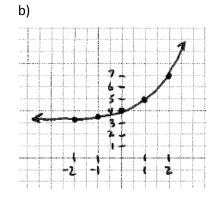
c)
$$f(x) = 2^x + 3$$

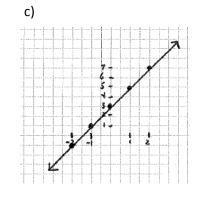
3)

2)









Attribute	Linear Functions	Quadratic Functions	Exponential Functions
Rate of change			
Domain & Range			٠.
Intercepts			
Asymptotes			
End Behavior			
	f(x) = 2x + 3	Functions to Graph and Discussion $f(x) = 2x^2 + 3$	$f(x) = 2^x + 3$

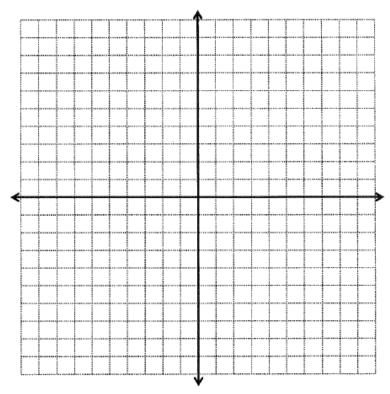
$$f(x) = 2x^2 + 3$$

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

Complete the tables below.

	Linear	Q	uadratic		Exponential					
	f(x) = 2x	S	$y(x) = x^2$		$h(x)=2^x$					
х	f(x)	x	g(x)		x	h(x)				
-5		-5			-5					
-4		-4			-4					
-3		-3			-3					
-2		-2			-2					
-1		-1			-1					
0		0			0					
1		1		11-2-1	1					
2		2			2					
3		3			3					
4		4			4	,,,,				
5		5			5					

2. Draw and label each graph on the same set of axes.



- 3. Identify the following features of each function.
 - (a) Domain and Range
 - (b) Description of Shape
 - (c) Any characteristics unique to each function

	Linear	Quadratic	Exponential
Domain			
Range			
Description of Shape			
Unique Characteristics			
To each function			

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