Name		Class	Date		
9-7	Practice		Form K		
	Linear, Quadratic, and Exponential Models				
Graph each se	et of points. Which model is m	ost appropriate for e	each set?		
1. (-3, -1), (-2	2, 0), (-1, 1), (0, 2), (1, 3)	2. (0, 3), (1, 1), (2,	, 0), (3, 1)		
3. (-2, -0.25),	(-1, -0.5), (0, -1), (1, -2)	4. (-4, 0), (-2, 2),	(0, 3), (2, 2), (4, 0)		
5. (-6, 6), (-4,	4), (-2, 2), (0, 0)	6. (-2, 0.25), (-1,	0.5), (0, 1), (1, 2)		

Which type of function best models the data in each table? Use differences or ratios.

7.	x	У	8.	x	У
(0	0	D	0	1
(1	-2	5	(1	-3
i i	2	-8	5	(2	-9
j -	3	-18	1	(3	-27
í í	4	-32	1	4	-81
`	÷			\square	

- **9.** Which type of function best models the ordered pairs (-1, 1), (0, -2), (1, 1), and (2, 10)? Use differences or ratios.
- **10.** Which type of function best models the ordered pairs (-1, 2.5), (0, 1), (1, -0.5), and (2, -2)? Use differences or ratios.

Linear, Quadratic, and Exponential Models

Which type of function best models the data in each table? Write an equation to model the data.



Which type of function best models the data in each ordered pair? Write an equation to model the data.

15.
$$(-1, 4), (0, 5), (1, 4), (2, 1), (3, 24)$$

16. $(-2, -36), (-1, -12), (0, -4), (1, -\frac{4}{3}), (2, -\frac{4}{9})$

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