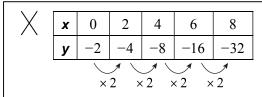
Practice B

In Exercises 1 and 2, determine the type of function represented by the table. Explain your reasoning.

In Exercises 3–8, write an exponential function $y = ab^x$ whose graph passes through the given points.

9. Describe and correct the error in determining the type of function represented by the data.



The outputs have a common ratio of 2, but the outputs are negative, so the data does not represent a recognizable function.

In Exercises 10 and 11, determine whether the data show an exponential relationship. Then write a function that models the data.

10.

X	1	3	5	7	9
у	64	32	16	8	4

11.

X	0	10	20	30	40
у	0	15	30	45	60

12. Use a graphing calculator to find an exponential model for the data in the table.

X	2	5	6	8	9
у	7.65	25.819	38.728	87.138	130.71