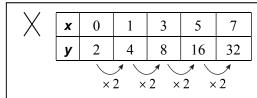
Practice A

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, so the data represent an exponential function.

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

10.

	x	-4	-2	0	2	4
	у	6	24	96	384	1536

11.

x	0	1	2	3	4
у	0	5	10	15	20

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

x	1	3	7	10	12
у	6	8.64	17.916	30.959	44.581