

# Practice 10-9

## Choosing a Linear, Quadratic, or Exponential Model

Which kind of function best models the data?

- $(-1, 3), (1, 3), (3, 27), (5, 75), (7, 147)$
- $(-2, 4), (-1, 2), (0, 0), (1, -2), (2, -4)$
- $(-2, \frac{1}{16}), (-1, \frac{1}{4}), (0, 1), (1, 4), (2, 16)$

7.

x	y
-3	$\frac{9}{2}$
-2	2
-1	$\frac{1}{2}$
0	0

8.

x	y
-1	-2
0	-4
1	-6
2	-8

10.

x	y
0	-2
1	-8
2	-32
3	-128