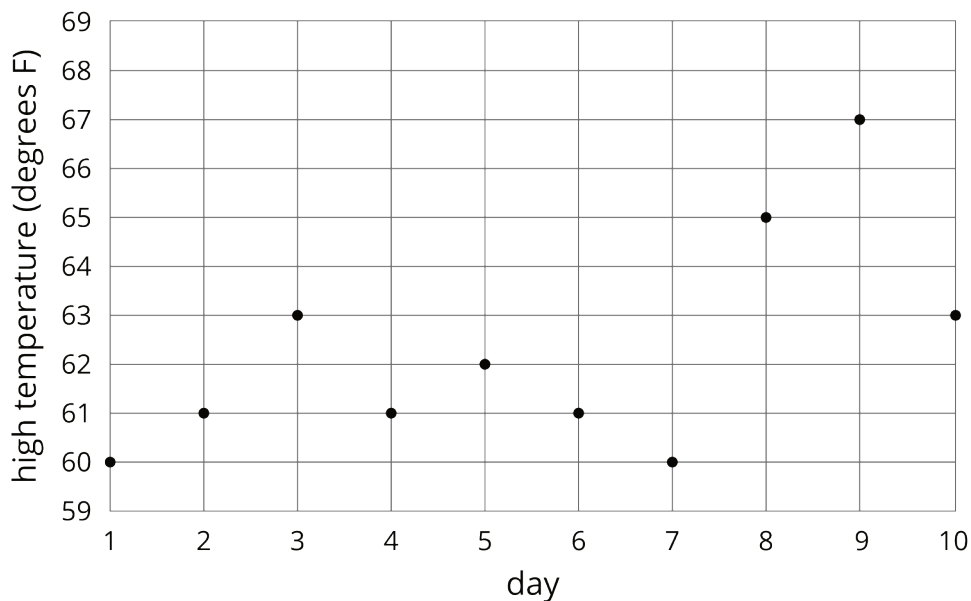


Lesson 4 Practice Problems

1. The graph and the table show the high temperatures in a city over a 10-day period.



day	1	2	3	4	5	6	7	8	9	10
temperature (degrees F)	60	61	63	61	62	61	60	65	67	63

- What was the high temperature on Day 7?
 - On which days was the high temperature 61 degrees?
 - Is the high temperature a function of the day? Explain how you know.
- d. Is the day a function of the high temperature? Explain how you know.

2. The amount Lin’s sister earns at her part-time job is proportional to the number of hours she works. She earns \$9.60 per hour.

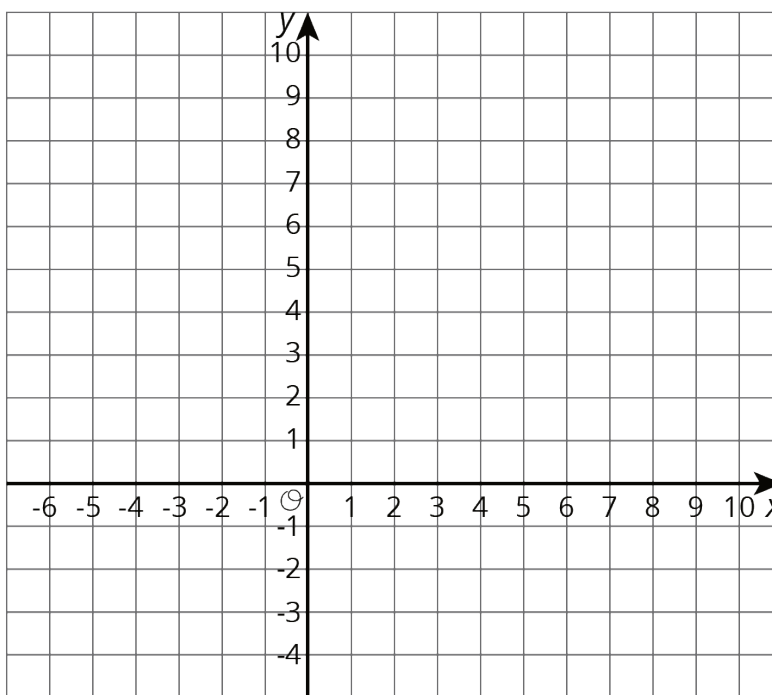
a. Write an equation in the form $y = kx$ to describe this situation, where x represents the hours she works and y represents the dollars she earns.

b. Is y a function of x ? Explain how you know.

c. Write an equation describing x as a function of y .

3. Use the equation $2m + 4s = 16$ to complete the table, then graph the line using s as the dependent variable.

m	0		-2	
s		3		0



4. Solve the system of equations: $\begin{cases} y = 7x + 10 \\ y = -4x - 23 \end{cases}$

(From Unit 4, Lesson 13.)