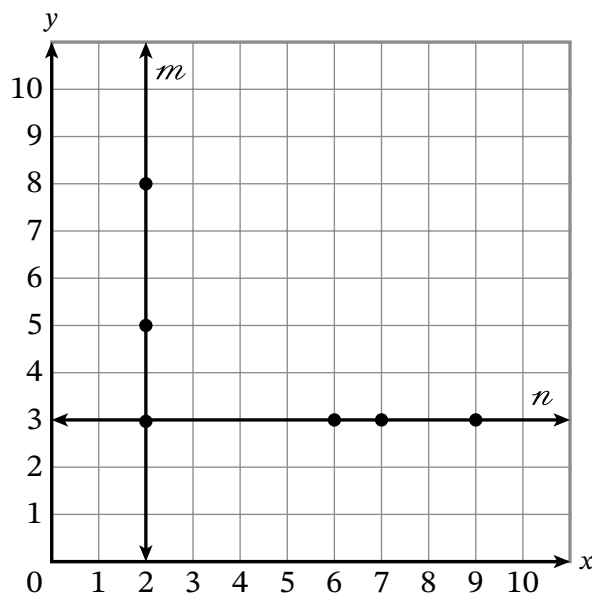




Name _____

Date _____

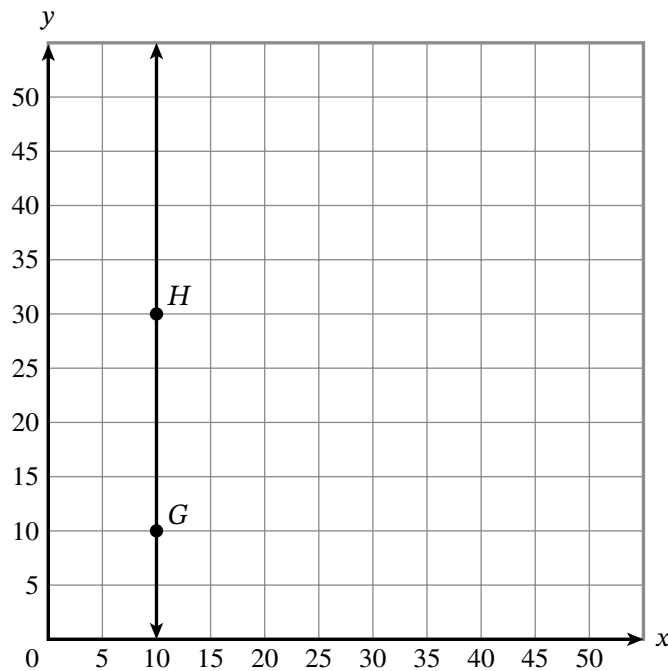
1. Use the graph to complete parts (a)–(e).



Points on Line m	Points on Line n
(2, 3)	(6, 3)
(2, 5)	(7, 3)
(2, 8)	(9, 3)

- Highlight the coordinates that are the same for line m .
- Is line m horizontal or vertical?
- Highlight the coordinates that are the same for line n .
- Is line n horizontal or vertical?
- Line n is parallel to the _____-axis and perpendicular to the _____-axis.

2. Use the graph to complete parts (a)–(f).



- a. Write the ordered pairs for points G and H in the table.

Point	Ordered Pair
G	
H	

- b. Write the ordered pair for a different point that also lies on \overleftrightarrow{GH} .
- c. Is \overleftrightarrow{GH} horizontal or vertical?
- d. Draw a line in the coordinate plane that is parallel to the y -axis but is a greater distance from the y -axis than \overleftrightarrow{GH} . Label this line p . Write the ordered pairs for three points on the line.

- e. Draw a line in the coordinate plane that is parallel to the y -axis but a shorter distance from the y -axis than \overleftrightarrow{GH} . Label this line ℓ .
- f. Write the ordered pairs for three points on line ℓ .

-
3. The ordered pairs for four points are shown. Do the points lie on a horizontal line, a vertical line, or neither? How do you know?

(45, 2)
(45, 60)
(45, 15)
(45, 34)

-
4. The ordered pairs for four points are shown. Do the points lie on a horizontal line, a vertical line, or neither? How do you know?

(4, 0)
(0, 0)
(0, 9)
 $(39\frac{1}{2}, 0)$

5. The points $(2, 5)$ and $(7, 5)$ lie on line a .
- Is line a horizontal or vertical?
 - Line a is parallel to the _____-axis.
 - Line a is perpendicular to the _____-axis.
 - Write the ordered pair for another point that lies on line a .
 - Describe the distance between line a and the x -axis. Explain how you know.