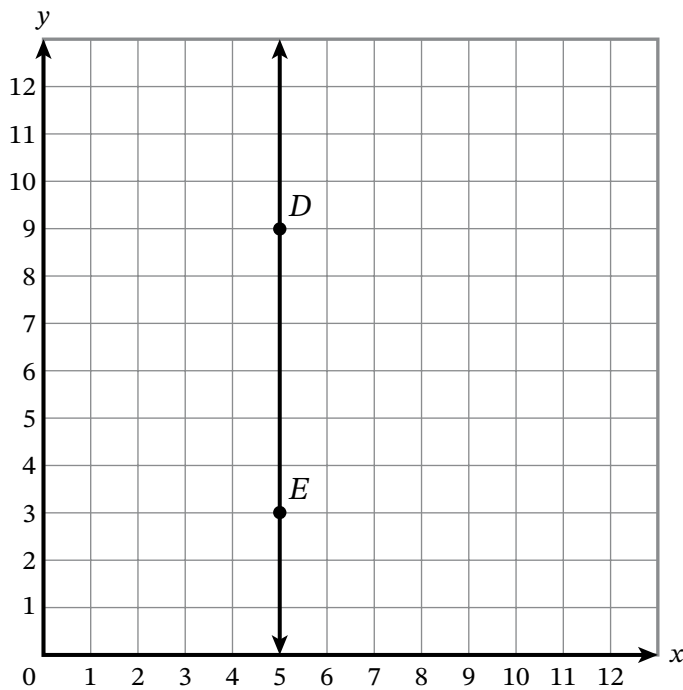




Name _____

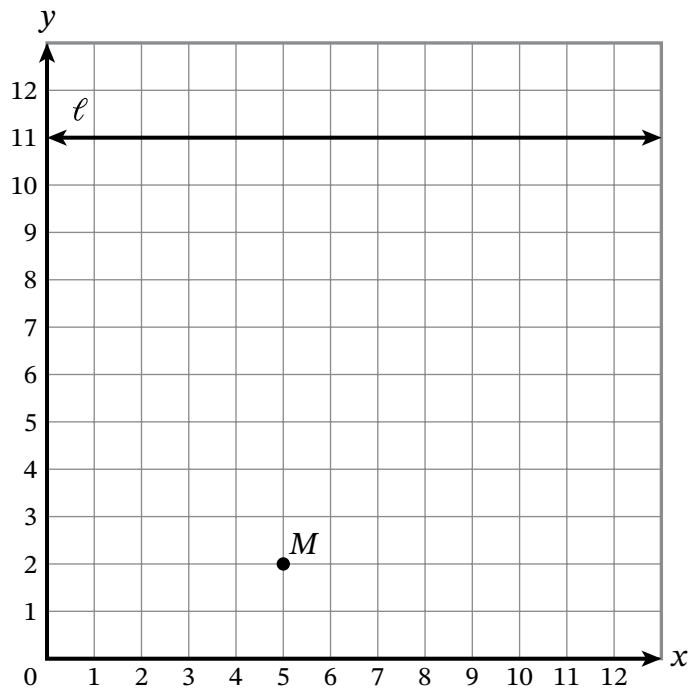
Date _____

1. Indicate whether each statement about \overleftrightarrow{DE} is true or false.



Statement	True	False
Each point on \overleftrightarrow{DE} has the same x -coordinate.		
Each point on \overleftrightarrow{DE} has the same y -coordinate.		
All points on \overleftrightarrow{DE} are collinear.		
Each point on \overleftrightarrow{DE} is the same distance from the x -axis.		
Each point on \overleftrightarrow{DE} is the same distance from the y -axis.		
\overleftrightarrow{DE} is horizontal.		
\overleftrightarrow{DE} is vertical.		

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



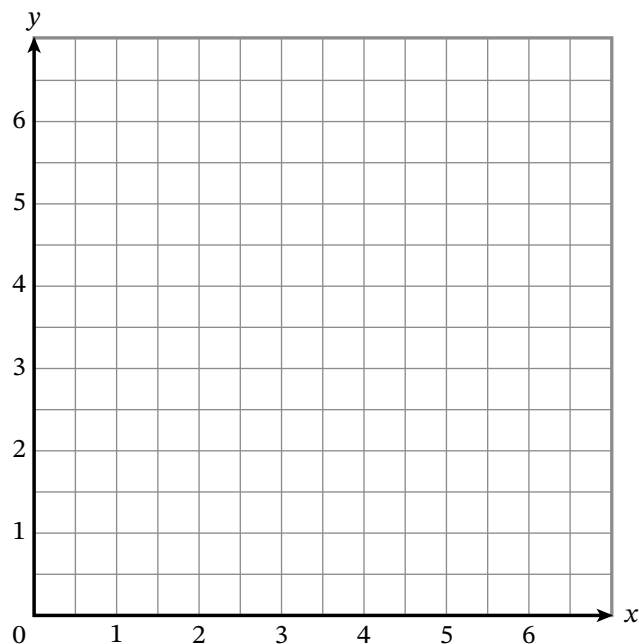
- Draw a line that is parallel to line ℓ through point M . Label the line p .
- Plot a point that is 4 units farther from the x -axis than point M and has the same x -coordinate as point M . Label the point N .
- Draw a line through points M and N . Label the line c .
- Fill in each blank with \parallel or \perp to make the statement true.

ℓ _____ p

ℓ _____ c

c _____ p

3. Use the coordinate plane to complete parts (a)–(d).



- Draw a line, n , that is parallel to the y -axis and $4\frac{1}{2}$ units from the y -axis.
- Write the ordered pair for the point on line n that is 4 units from the x -axis.
- Lightly shade the region of the plane where points are greater than $4\frac{1}{2}$ units from the y -axis.
- Circle the ordered pairs for points that appear in the shaded region.

$(5, 4\frac{1}{2})$

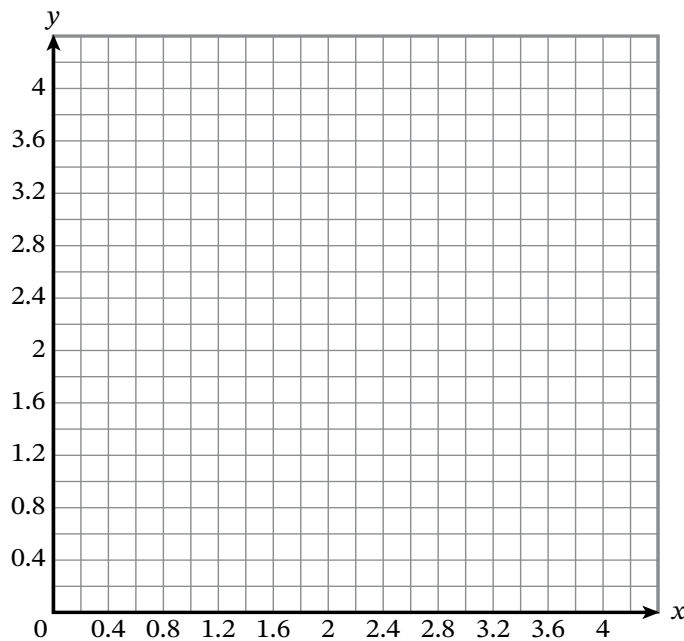
$(4\frac{3}{8}, 5)$

$(4\frac{5}{8}, 5)$

$(4, 3.5)$

$(12, 3)$

4. Use the coordinate plane to complete parts (a)–(e).



- Draw a line, a , that is parallel to the x -axis and 0.8 units from the x -axis.
- Draw a line, d , that passes through the point $(1.2, 2.4)$ and $d \parallel a$.
- Lightly shade the region between line d and line a . Complete the statement.

All points in the shaded region have a y -coordinate greater than _____ but less than _____.

- Is point $R(6, 1.8)$ in the shaded region? Explain.
- What is the distance between line a and line d ?