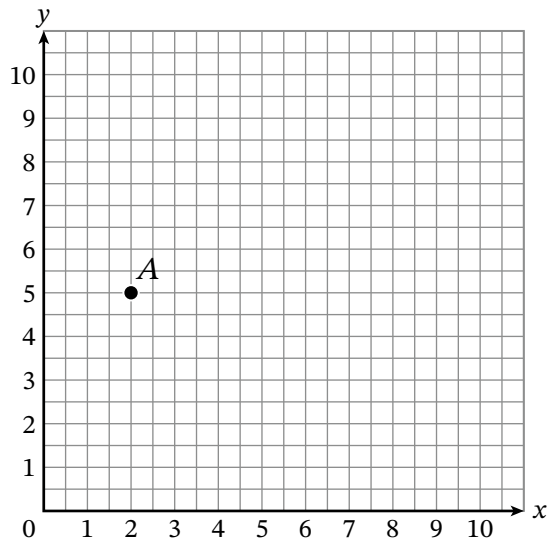




Name _____

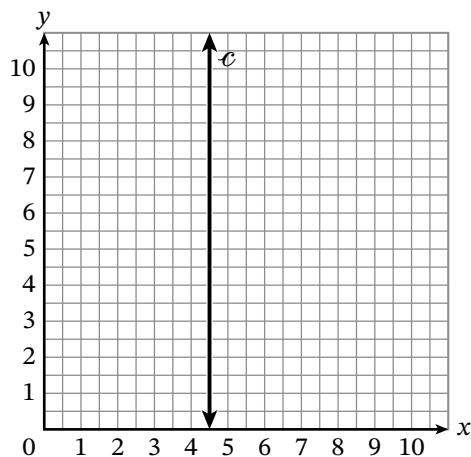
Date _____

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



- Draw a horizontal line through point A .
- Plot a point on the horizontal line that is 3 units farther from the y -axis than point A . Label this point B .
- Is \overleftrightarrow{AB} parallel or perpendicular to the y -axis?
- Is \overleftrightarrow{AB} parallel or perpendicular to the x -axis?

2. Use the graph of line ℓ to complete parts (a) and (b).



- Lightly shade the region of the plane where points are less than $4\frac{1}{2}$ units from the y -axis.
- Eddie says that the point $(3, 5\frac{1}{2})$ is not located in the shaded region because the y -coordinate is greater than $4\frac{1}{2}$. Is Eddie correct? Explain.

REMEMBER

3. Use $>$, $=$, or $<$ to compare the expressions.

$$(53 \times 9) - (23 \times 9) \underline{\hspace{1cm}} (17 \times 9) + (8 \times 9)$$

Use the Read–Draw–Write process to solve the problem.

4. There are 7,251 paintings in an art museum's collection. The museum gets 239 more paintings. The museum's paintings are distributed equally among the 35 rooms in the museum. How many paintings are now in each room?