

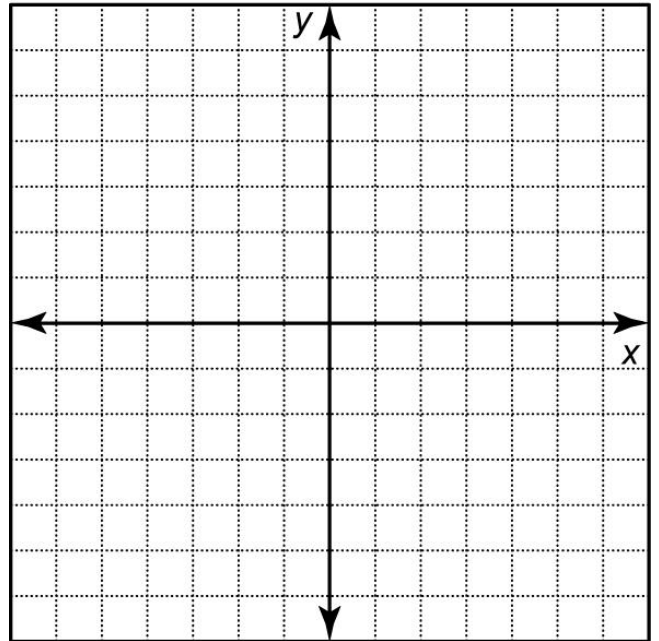
Midpoint Investigation

1. Using the grid provided, plot the line segments defined by each pair of endpoints. Label the endpoints with their coordinates.

- a) $A(-4,2)$ and $B(6,2)$ b) $C(-3,0)$ and $D(2,0)$

2. What do these two line segments have in common?

3. Determine the coordinates of the midpoint of each segment. Label each midpoint with its coordinates.



Mipoint of AB _____

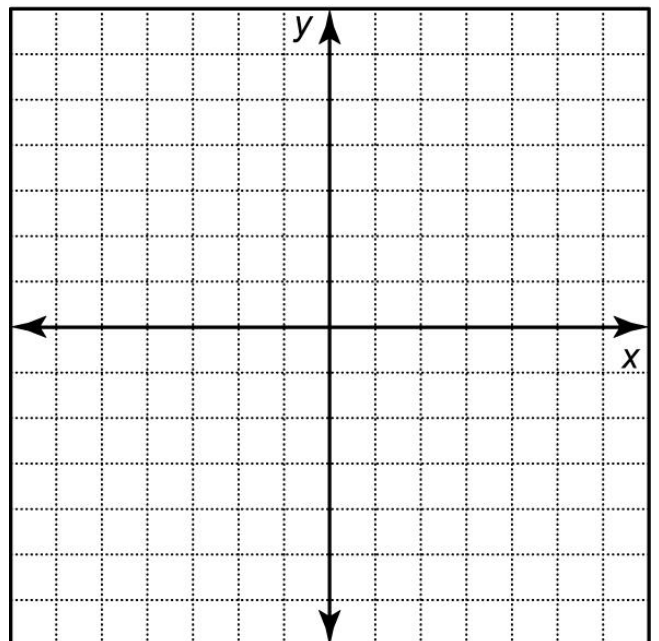
Mipoint of CD _____

4. Using the grid provided, plot the line segments defined by each pair of endpoints. Label the endpoints with their coordinates.

- a) $G(-4,2)$ and $H(-4,6)$ b) $J(-1,7)$ and $K(-1,-2)$

5. What do these two line segments have in common?

6. Determine the coordinates of the midpoint of each segment. Label each midpoint with its coordinates.

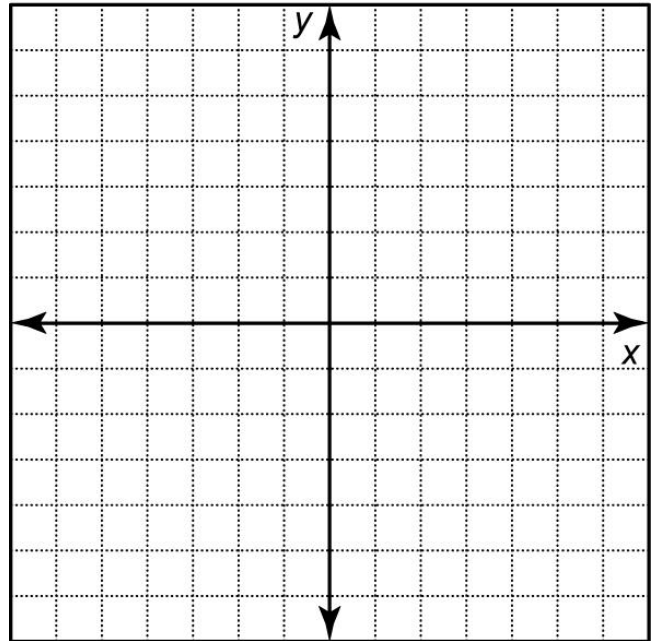


Mipoint of GH _____

Mipoint of JK _____

7. Using the grid provided, plot the line segments defined by each pair of endpoints. Label the endpoints with their coordinates.

- a) R (-5,-4) and S (-1,0) b) V (-4,6) and W(3,4)



8. Determine the coordinates of the midpoint of each segment. Label each midpoint with its coordinates.

Mipoint of RS _____

Mipoint of VW _____

9. Describe how you calculated the coordinates of the midpoints for RS and VW:

Mipoint Formula: