

Midpoint formula in class

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Date _____ Period _____

Find the midpoint of the line segment with the given endpoints.

1) $(3, 3)$, $(9, 9)$

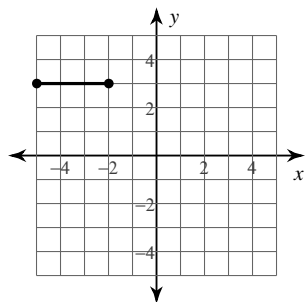
2) $(-1, 4)$, $(-2, -9)$

3) $(-7, -4)$, $(1, -7)$

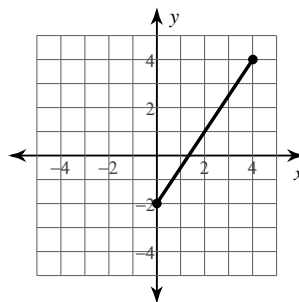
4) $(6, 7)$, $(8, 1)$

Find the midpoint of each line segment.

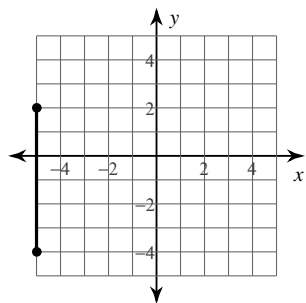
5)



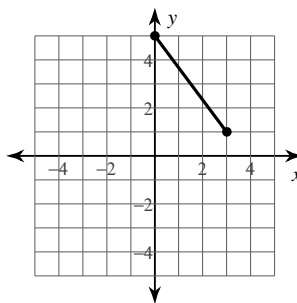
6)



7)



8)



Find the other endpoint of the line segment with the given endpoint and midpoint.

9) Endpoint: $(5, -1)$, midpoint: $(-3, -6)$

10) Endpoint: $(-1, 7)$, midpoint: $(-2, 7)$

11) Endpoint: $(2, 3)$, midpoint: $(-9, -3)$

12) Endpoint: $(8, 9)$, midpoint: $(4, 4)$