

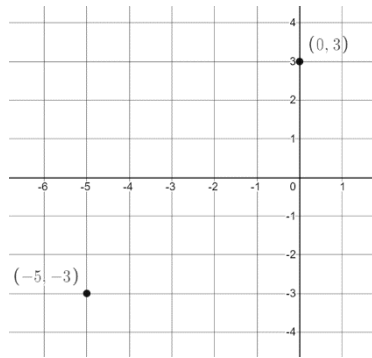
Math 1

Unit 8 Lesson 2: Yard Work in Segments

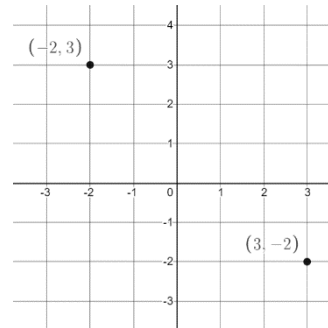
Learning Goal(s): I can Examine strategies for finding the midpoint of a segment, leading to a formalization of the midpoint rule; extend the strategies for finding the midpoint to create a strategy for finding the point on a line segment that partitions the segment in a given ratio.

Directions: Find the midpoint between the two given points.

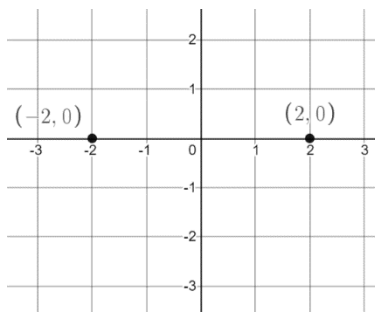
1.



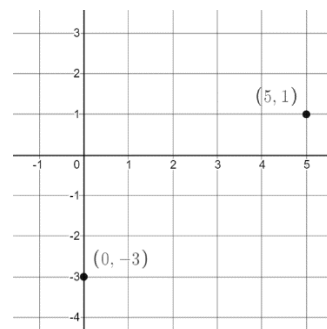
2.



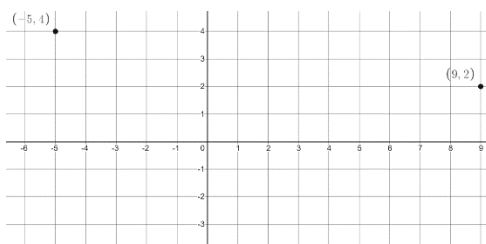
3.



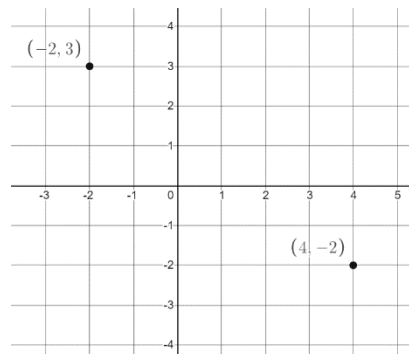
4.



5.



6.



7. Find the midpoint of line segment $\overline{AB}$ if point A is at (3, 9) and point B is at (8, 2).

8. Find the midpoint of line segment $\overline{JK}$ if point J is at (-2, -6) and point K is at (5, 7).

9. Find the midpoint of line segment $\overline{XY}$ if point X is at (1, 2) and point Y is at (4, 3).

10. Find the midpoint of line segment $\overline{GH}$ if point G is at (-3, -9) and point H is at (-4, -2).

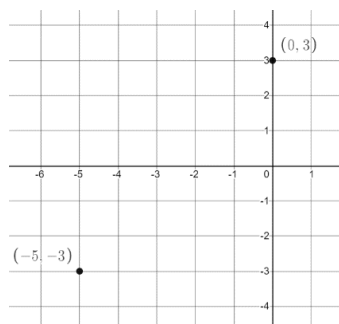
Math 1 - KEY

Unit 8 Lesson 2: Yard Work in Segments

Learning Goal(s): I can Examine strategies for finding the midpoint of a segment, leading to a formalization of the midpoint rule; extend the strategies for finding the midpoint to create a strategy for finding the point on a line segment that partitions the segment in a given ratio.

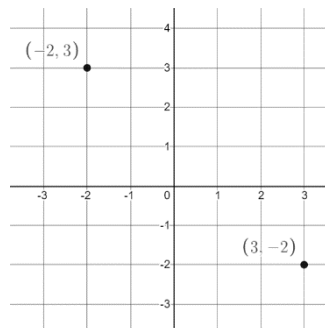
Directions: Find the midpoint between the two given points.

1.



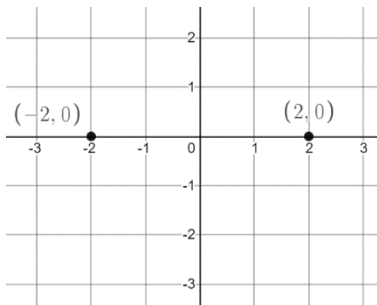
(-2.5, 0)

2.



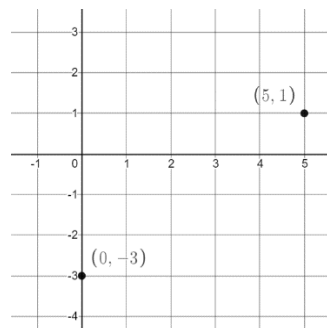
(0.5, 0.5)

3.



(0, 0)

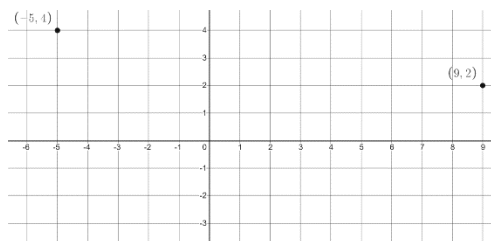
4.



(2.5, -1)

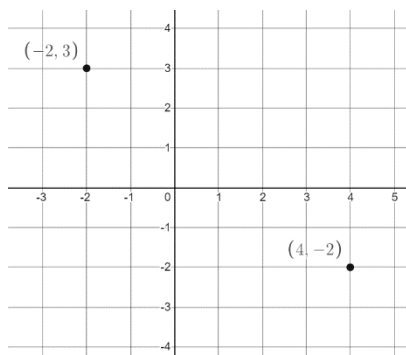
5.

(2,



3)

6.



(1, 0.5)

7. Find the midpoint of line segment $\overline{AB}$ if point A is at (3, 9) and point B is at (8, 2).

(5.5, 5.5)

8. Find the midpoint of line segment $\overline{JK}$ if point J is at (-2, -6) and point K is at (5, 7).

(1.5, 0.5)

9. Find the midpoint of line segment $\overline{XY}$ if point X is at (1, 2) and point Y is at (4, 3).

(2.5, 2.5)

10. Find the midpoint of line segment $\overline{GH}$ if point G is at (-3, -9) and point H is at (-4, -2).

(-3.5, -5.5)