

Unit 6.3 Midpoint and Distance Formula PRACTICE

Period _____

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

1) $(-9, 10), (4, -2)$

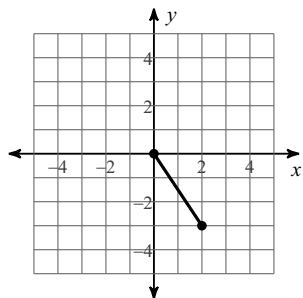
2) $(0, 7), (-8, -10)$

3) $(-6.4, -3.8), (9.6, 1.2)$

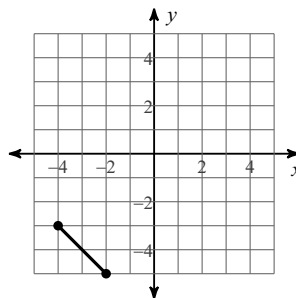
4) $(1.3, 9.3), (-4, -0.8)$

Find the midpoint of each line segment. Give answer in reduced fraction form.

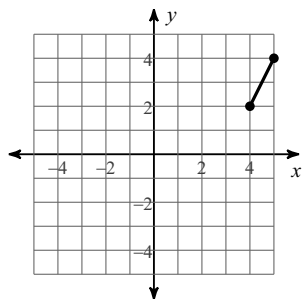
5)



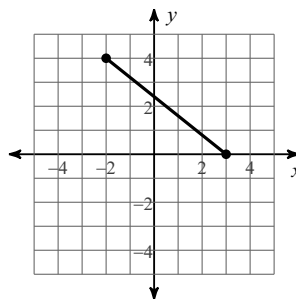
6)



7)



8)

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

9) Endpoint: $(1.7, -1.6)$, midpoint: $(-4.9, 8.8)$

10) Endpoint: $(-2.2, 4.7)$, midpoint: $(8.5, -8.5)$

11) Endpoint: $(-4, 2)$, midpoint: $(-4, 7)$

12) Endpoint: $(-2, 1)$, midpoint: $(1, -6)$

Find the distance between each pair of points. Give answer in simplified radical form.

13) $(-7, 0), (-1, -1)$

14) $(2, 0), (6, 2)$

15) $(8, -8), (4, 6)$

16) $(-2, 8), (-3, -1)$

17) $(-8, -1), (7, 4)$

18) $(-1, -8), (6, 3)$

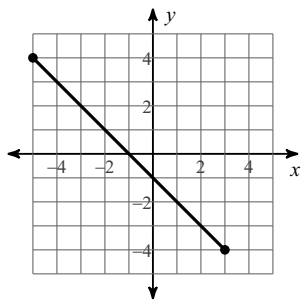
Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

19) $(-4.7, -6.1), (-4.5, -7.5)$

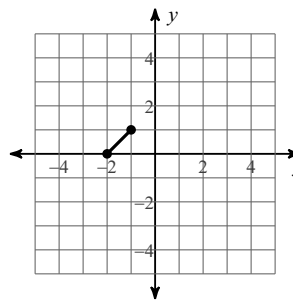
20) $(7.3, 5.5), (3, -1.5)$

Find the distance between each pair of points. Give answer in simplified radical form.

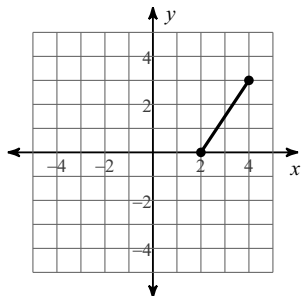
21)



22)



23)



24)

