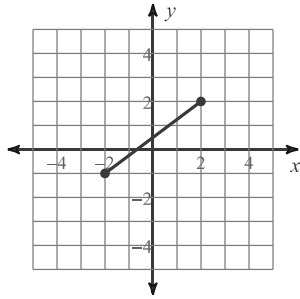


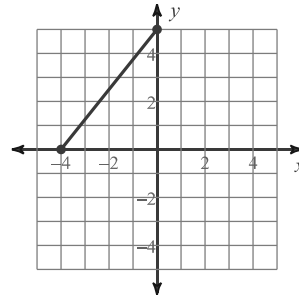
# Finding Midpoints & Distance

**Find the midpoint of each line segment.**

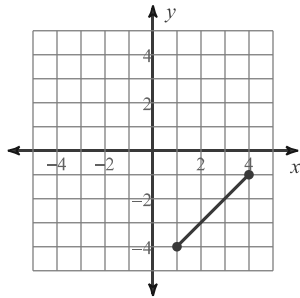
1)



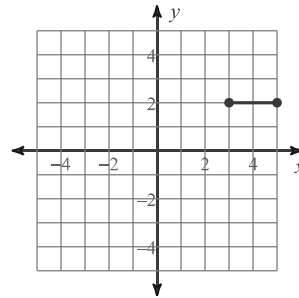
2)



3)



4)



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

5)  $(-3, -5), (4, 5)$

6)  $(-4, -7), (7, 5)$

7)  $(9, -7), (-9, 5)$

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

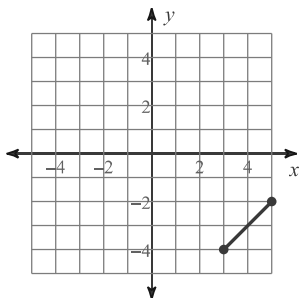
Find the other endpoint of the line segment with the given endpoint and midpoint.

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

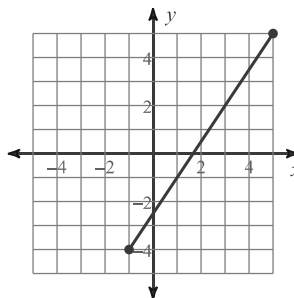
10) Endpoint:  $(-8, 10)$ , midpoint:  $(10, -6)$

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

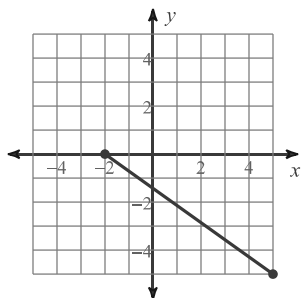
11)



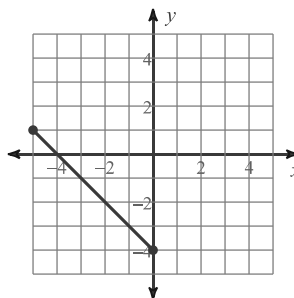
12)



13)



14)



15)  $(-5, -7)$ ,  $(5, -2)$

16)  $(-1, -7)$ ,  $(7, 1)$

17)  $(6, -3)$ ,  $(3, 1)$

18)  $(-1, 8)$ ,  $(-4, -7)$

## Answers to Finding Midpoints & Distance (ID: 1)

1)  $\left(0, \frac{1}{2}\right)$

5)  $(0.5, 0)$

9)  $(-4, -21)$

13) 8.6

17) 5

2)  $\left(-2, 2\frac{1}{2}\right)$

6)  $(1.5, -1)$

10)  $(28, -22)$

14) 7.1

18) 15.3

3)  $(2.5, -2.5)$

7)  $(0, -1)$

11) 2.8

15) 11.2

4)  $(4, 2)$

8)  $(1.5, 5.5)$

12) 10.8

16) 11.3