Geometry B Name_____ ID: 1

Finding the Midpoint of a line segment

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

1) $(2, -8), (6, 5)$

2) $(8, -9), (-3, -7)$

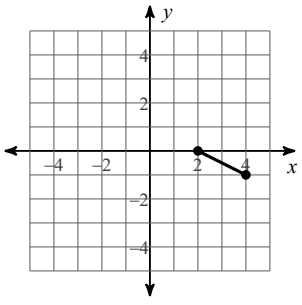
3) $(3, -6), (10, -7)$

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

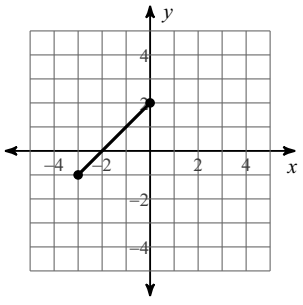
5) $(2, -6), (7, -4)$

Find the midpoint of each line segment.

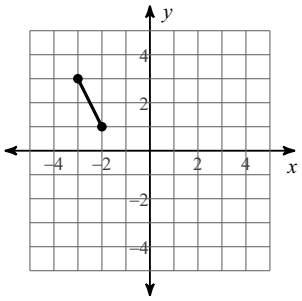
6)



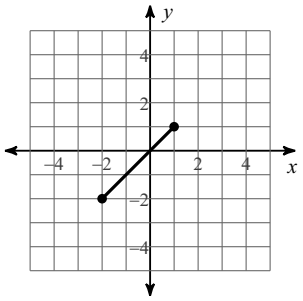
7)



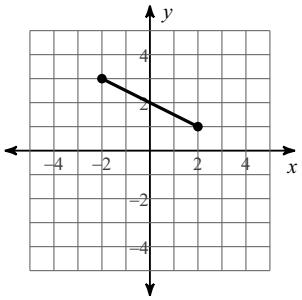
8)



9)



10)



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

11) Endpoint: $(-5, 2)$, midpoint: $(1, -9)$

12) Endpoint: $(-2, 8)$, midpoint: $(2, 0)$

Answers to Finding the Midpoint of a line segment (ID: 1)

1) $\left(4, -1\frac{1}{2}\right)$
2) $\left(2\frac{1}{2}, -8\right)$
3) $\left(6\frac{1}{2}, -6\frac{1}{2}\right)$
4) $\left(-3\frac{1}{2}, -2\right)$
5) $\left(4\frac{1}{2}, -5\right)$
6) $\left(3, -\frac{1}{2}\right)$
7) $\left(-1\frac{1}{2}, \frac{1}{2}\right)$
8) $\left(-2\frac{1}{2}, 2\right)$
9) $\left(-\frac{1}{2}, -\frac{1}{2}\right)$
10) $(0, 2)$
11) $(7, -20)$
12) $(6, -8)$