Geometry

Name_____ ID: 1

Midpoint and Distance from a coordinate plane

Date_____ Period____
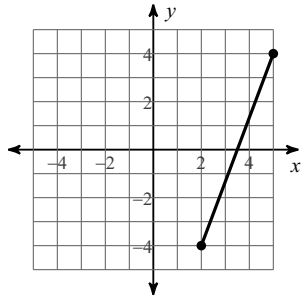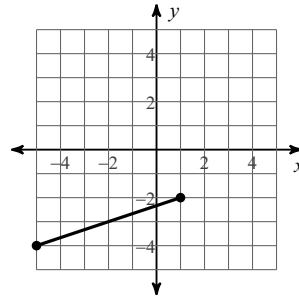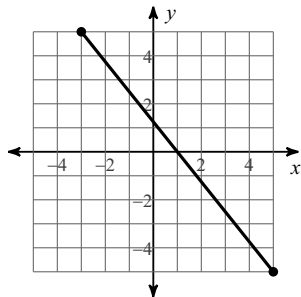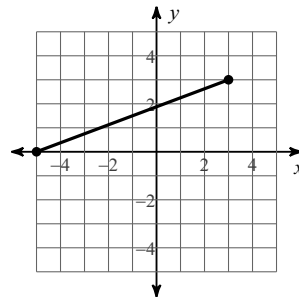
Find the midpoint of each line segment.

1)

2)

3)

4)

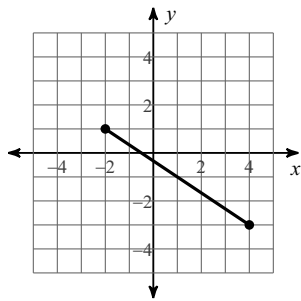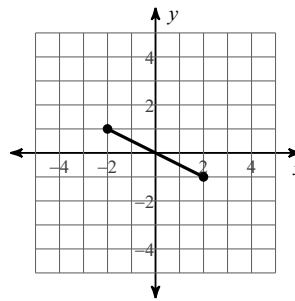**Find the distance between each pair of points.**
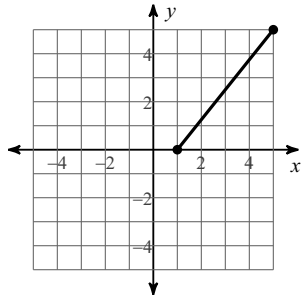
5)

6)

7)

8)

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

9) Endpoint: $(2, -7)$, midpoint: $(1, 5)$

10) Endpoint: $(4, 1)$, midpoint: $(4, -2)$

11) Endpoint: $(4, -5)$, midpoint: $(-4, 0)$

12) Endpoint: $(-5, 3)$, midpoint: $(-3, -9)$

13) Endpoint: $(-2, -3)$, midpoint: $(-5, 7)$

14) Endpoint: $(-6, 3)$, midpoint: $(-10, 7)$
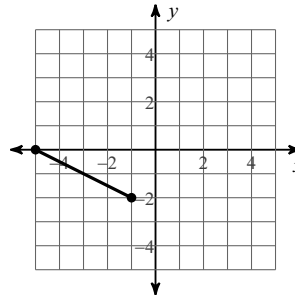
Midpoint and Distance from a coordinate plane

Date_____ Period____

Find the midpoint of each line segment.

1)

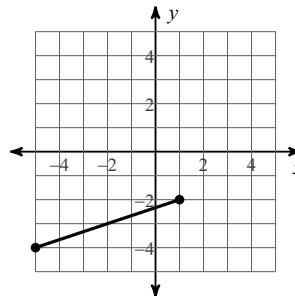$$\left(3, 2\frac{1}{2}\right)$$

2)

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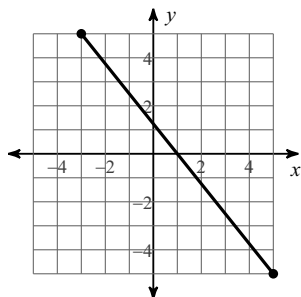
3)

$$\left(3\frac{1}{2}, 0\right)$$
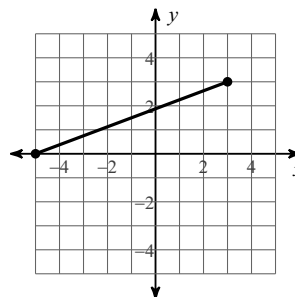
4)

$$(-2, -3)$$

Find the distance between each pair of points.
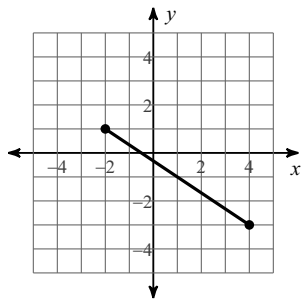
5)

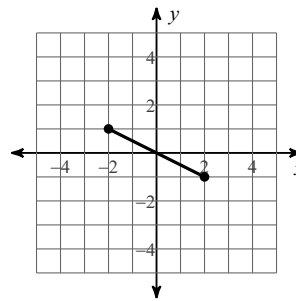

$$2\sqrt{41}$$

6)

$$\sqrt{73}$$

7)

$2\sqrt{13}$

8)

$2\sqrt{5}$

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

9) Endpoint: $(2, -7)$, midpoint: $(1, 5)$

$(0, 17)$

10) Endpoint: $(4, 1)$, midpoint: $(4, -2)$

$(4, -5)$

11) Endpoint: $(4, -5)$, midpoint: $(-4, 0)$

$(-12, 5)$

12) Endpoint: $(-5, 3)$, midpoint: $(-3, -9)$

$(-1, -21)$

13) Endpoint: $(-2, -3)$, midpoint: $(-5, 7)$

$(-8, 17)$

14) Endpoint: $(-6, 3)$, midpoint: $(-10, 7)$

$(-14, 11)$

 Made with Infinite Geometry.