Geometry - Clark

Name_____

Midpoint and Distance Formulas

Date_____ Period____

Find the midpoint of the line segment with the given endpoints.
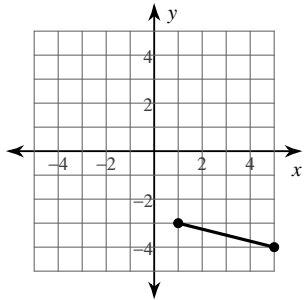
1) $(-4, -2)$, $(3, 3)$

2) $(-1, 0)$, $(-3, -4)$

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

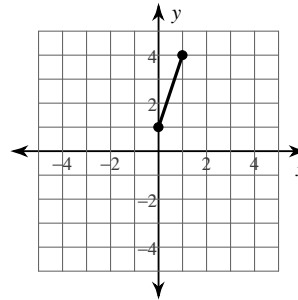3) Endpoint: $(-5, 4)$, midpoint: $(-10, -6)$

4) Endpoint: $(-8, 8)$, midpoint: $(5, -3)$

Find the midpoint of each line segment.

5)

6)

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.
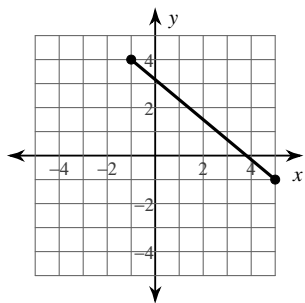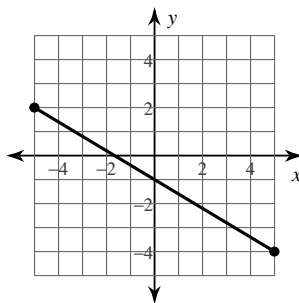
7) $(7, 6)$, $(0, 2)$

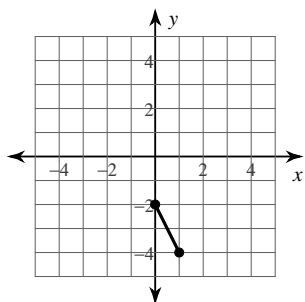8) $(4, 2)$, $(-6, -6)$

9) $(-6, 1)$, $(-3, 1)$

10) $(-3, 6)$, $(2, 1)$

11)

12)

13)

14)
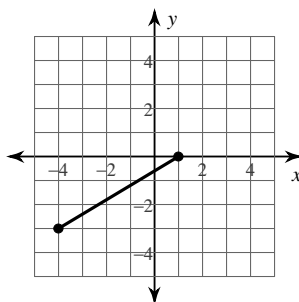
Geometry - Clark

Name_____

Midpoint and Distance Formulas

Date_____ Period_____

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

1) $(-4, -2)$, $(3, 3)$

2) $(-1, 0)$, $(-3, -4)$

$(-2, -2)$

$(-0.5, 0.5)$

Find the other endpoint of the line segment with the given endpoint and midpoint.
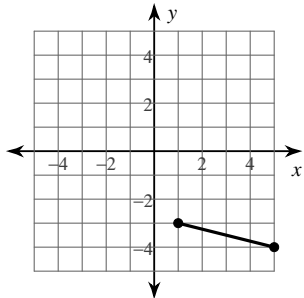
3) Endpoint: $(-5, 4)$, midpoint: $(-10, -6)$

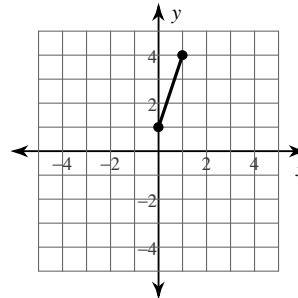4) Endpoint: $(-8, 8)$, midpoint: $(5, -3)$

$(18, -14)$

$(-15, -16)$

Find the midpoint of each line segment.

5)

$(3, -3.5)$

6)

$(0.5, 2.5)$

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

7) $(7, 6)$, $(0, 2)$
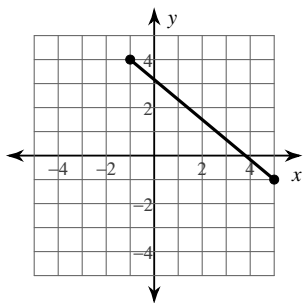
    8.1

8) $(4, 2)$, $(-6, -6)$

    12.8
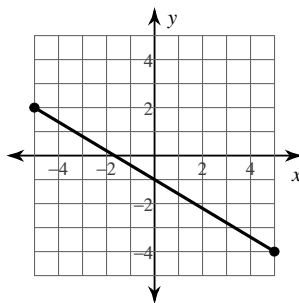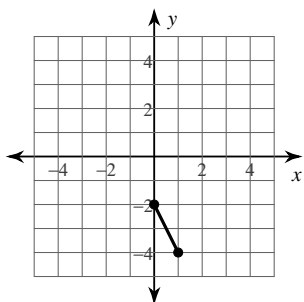
9) $(-6, 1)$, $(-3, 1)$

    3

10) $(-3, 6)$, $(2, 1)$

    7.1

11)
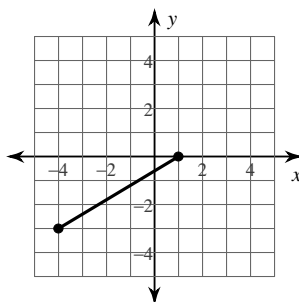

    7.8

12)

    11.7

13)

    2.2

14)

    5.8