

Topic 14 HW #36 (Distance & Midpoint)

Date _____ Hour _____

Find the distance between each pair of points.

1) $(0, -6), (2, 4)$

2) $(3, 6), (5, 5)$

3) $(1, 8), (-5, 4)$

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

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

5) $(-3, 0), (1, 1)$

6) $(-10, 2), (5, 6)$

7) $(3, 3), (-5, -10)$

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

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

9) Endpoint: $(-10, 10)$, midpoint: $(-4, 8)$

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

11) Endpoint: $(-3, 1)$, midpoint: $(7, 5)$

12) Endpoint: $(4, 7)$, midpoint: $(-7, -6)$