

Midpoint, Distance and Circles

© 2013 Kuta Software LLC. All rights reserved.

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

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

2) $(9, 1), (10, -3)$

3) $\left(\frac{4}{3}, -\frac{3}{2}\right), \left(\frac{6}{7}, 2\frac{6}{7}\right)$

4) $(3.6, 4.9), (-6.75, -1.1)$

Given the midpoint and one endpoint of a line segment, find the other endpoint.

5) Endpoint: $(7, 5)$, midpoint: $(8, -9)$

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

Find the distance between each pair of points.

7) $(1, -4), (5, 7)$

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

9) $(3\sqrt{6}, 3), (\sqrt{6}, -6)$

10) $(\sqrt{2}, \sqrt{3}), (-3\sqrt{2}, 6\sqrt{3})$