Worksheet 1-8 Distance and Midpoint

Use the distance formula or Pythagorean Theorem to find the distance of segment CD.

1) C (-3, 4), D(0, -1)

2) C(-1,8), D(4,-3)

3) C (16, 7), D(12,-3)

4) C(4, -1), D(-8,-6)

5) C (5, 10), D(5,-4)

6) C(5, -3), D(-7, 2)

Find the coordinates of the midpoint of segment AB.

7) A(3,-4), B(-3,0)

8) (-2,1), B(5,3)

9) A(3,-6), B(-9, 2)

10) A(13,-6) B(-3,-2)

11) Find the endpoint C if M is the midpoint of segment CD and M (2,4) and D(5,7).

12) M is the midpoint of segment AB and M is (-4,-5) and A(-2,-9). Find the other endpoint B.

13) The midpoint of segment AB is M(6, -2). A has coordinates (1, 2). Find the coordinates of B.

14) The midpoint of segment AB is M(3, 4). One endpoint is A(-3, -2). Find the coordinates of the other endpoint B.