Finding Midpoint

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

1) $(-2,-2),(0,2)$
2) $(5,1),(-2,4)$
3) $(4,-1),(0,3)$
4) $(-3,5),(-1,3)$
5) $(3,-2),(7,-6)$
6) $(-4,-3),(2,-7)$
7) $(5,0),(-5,8)$
8) $(-6,4),(-2,0)$
9) $(-3,4),(9,-6)$
10) $(2,8),(6,-2)$
11) $(4,7),(-6,5)$
12) $(9,3),(-1,-7)$
13) $(-4,12),(-2,6)$
14) $(14,5),(8,-1)$
15) $(11,7),(-3,1)$
16) $(-7,-4),(-3,8)$
17) $(13,7),(5,11)$
18) $(-5,-10),(9,-2)$
19) $(8,15),(-2,7)$
20) $(13,-2),(5,10)$
21) $(2,-2),(3,-5)$
22) $(0,2),(-2,-6)$
23) $(7,4),(9,-1)$
24) $(4,-5),(0,8)$

Solve each problem.

25) One endpoint of a line segment is $(1,2)$ and the midpoint of the line segment is $(-1,4)$. What is the other endpoint? _____

26) One endpoint of a line segment is $(-3,6)$ and the midpoint of the line segment is $(5,2)$. What is the other endpoint? _____

27) One endpoint of a line segment is $(-2,-6)$ and the midpoint of the line segment is $(6,8)$. What is the other endpoint? _____

Answers

Finding Midpoint

1) $(-1, 0)$
2) $(1.5, 2.5)$
3) $(2, 1)$
4) $(-2, 4)$
5) $(5, -4)$
6) $(-1, -5)$
7) $(0, 4)$
8) $(-4, 2)$
9) $(3, -1)$
10) $(4, 3)$
11) $(-1, 6)$
12) $(4, -2)$
13) $(-3, 9)$
14) $(11, 2)$
15) $(4, 4)$
16) $(-5, 2)$
17) $(9, 9)$
18) $(2, -6)$
19) $(3, 11)$
20) $(9,4)$
21) $(2.5, -3.5)$
22) $(-1, -2)$
23) $(8, 1.5)$
24) $(2, 1.5)$
25) $(-3, 6)$
26) $(13, -2)$
27) $(14, 22)$