

## *Finding Midpoint*

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

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

13)  $(-4, 12), (-2, 6)$

2)  $(5, 1), (-2, 4)$

14)  $(14, 5), (8, -1)$

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

15)  $(11, 7), (-3, 1)$

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

16)  $(-7, -4), (-3, 8)$

5)  $(3, -2), (7, -6)$

17)  $(13, 7), (5, 11)$

6)  $(-4, -3), (2, -7)$

18)  $(-5, -10), (9, -2)$

7)  $(5, 0), (-5, 8)$

19)  $(8, 15), (-2, 7)$

8)  $(-6, 4), (-2, 0)$

20)  $(13, -2), (5, 10)$

9)  $(-3, 4), (9, -6)$

21)  $(2, -2), (3, -5)$

10)  $(2, 8), (6, -2)$

22)  $(0, 2), (-2, -6)$

11)  $(4, 7), (-6, 5)$

23)  $(7, 4), (9, -1)$

12)  $(9, 3), (-1, -7)$

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)  $(14, 22)$