

## 6.6 - Midpoint Practice

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

1)  $(6, -6), (-10, 7)$

$(-2, 0.5)$

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

$(7, -7)$

3)  $(-10, -1), (-6, 10)$

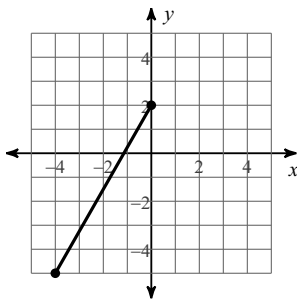
$(-8, 4.5)$

4)  $(7, -4), (2, 5)$

$(4.5, 0.5)$

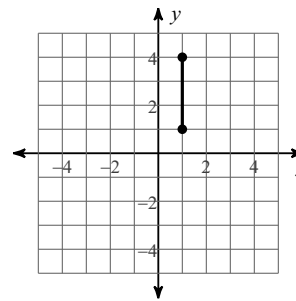
**Find the midpoint of each line segment.**

5)



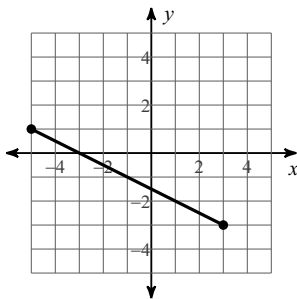
$(-2, -1.5)$

6)



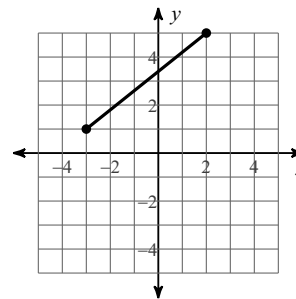
$(1, 2.5)$

7)



$(-1, -1)$

8)



$(-0.5, 3)$

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

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

$(4, -11)$

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

$(-10, -19)$

11) Endpoint:  $(-2, -2)$ , midpoint:  $(3, 10)$

$(8, 22)$

12) Endpoint:  $(8, 0)$ , midpoint:  $(9, -7)$

$(10, -14)$

13) Endpoint:  $(2, 5)$ , midpoint:  $(9, 4)$

$(16, 3)$

14) Endpoint:  $(5, -6)$ , midpoint:  $(-2, -7)$

$(-9, -8)$