

## 10.2 Midpoint &amp; Distance Formula

Period \_\_\_\_\_

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

1)  $(6, 1), (4, 3)$

2)  $(0, -5), (-9, 4)$

3)  $(7, 4), (7, -5)$

4)  $(-6, -10), (-1, 1)$

5)  $(4, 0), (2, -6)$

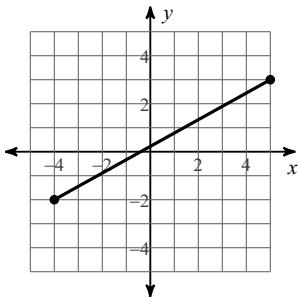
6)  $(-3, 1), (-8, 1)$

7)  $(-5, -10), (-9, -8)$

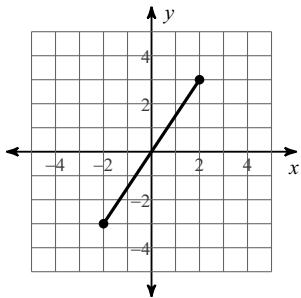
8)  $(-3, -10), (4, 4)$

**II. Find the distance between each pair of points.**

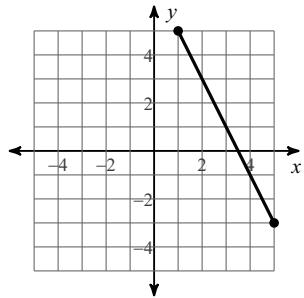
9)



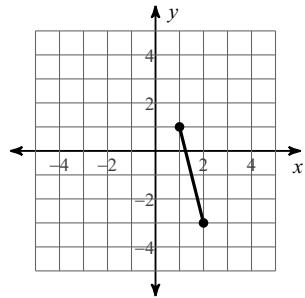
10)



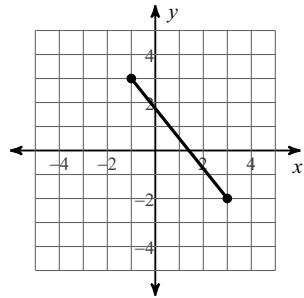
11)



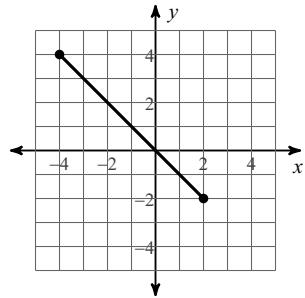
12)



13)



14)



15)  $(4, 2), (8, 5)$

16)  $(-3, 6), (-4, 1)$