

10.2 Midpoint & Distance Formula

Period _____

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

1) $(-8, 0), (5, -5)$

2) $(5, 3), (10, -10)$

3) $(-3, 8), (3, -5)$

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

5) $(10, 2), (-6, -10)$

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

7) $(2, 0), (9, -5)$

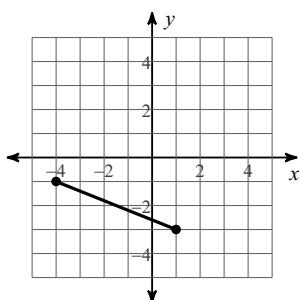
8) $(10, 0), (8, 10)$

9) $(3, 5), (-3, -1)$

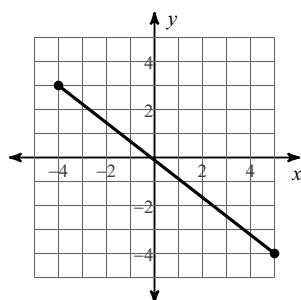
10) $(0, 1), (9, -4)$

II. Find the distance between each pair of points.

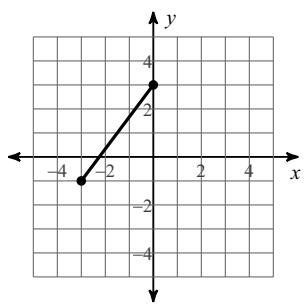
11)



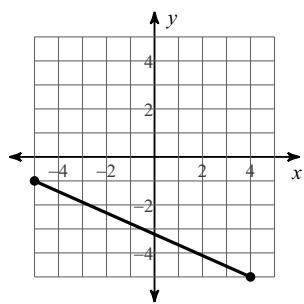
12)



13)



14)



15) $(7, -6), (4, -8)$

16) $(3, -5), (3, 5)$

17) $(-2, -3), (-4, -2)$

18) $(5, 6), (-2, 3)$

19) $(2, 5), (6, 8)$

20) $(6, 8), (2, 1)$