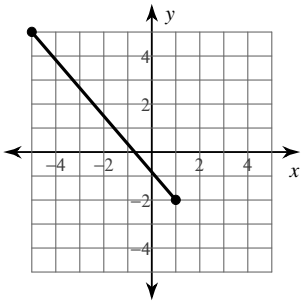


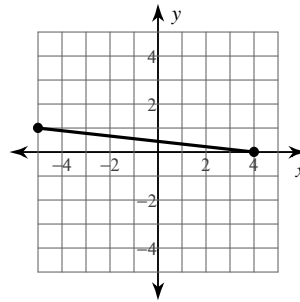
The Distance Formula

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

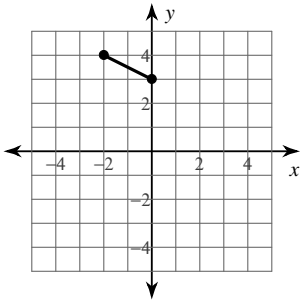
1)



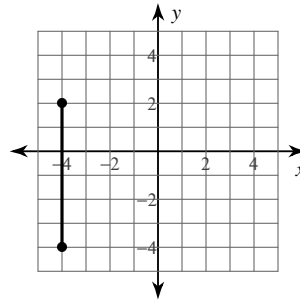
2)



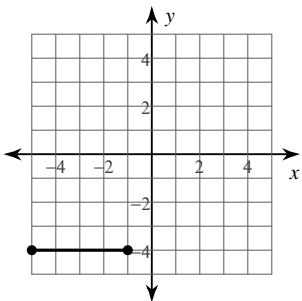
3)



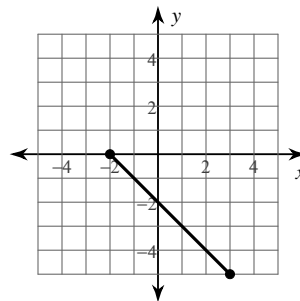
4)



5)



6)



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

8) $(2, -9), (-1, 4)$

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

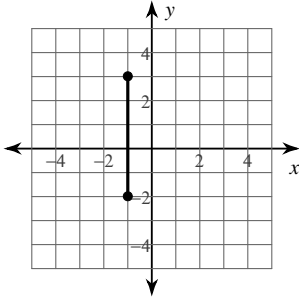
10) $(8, 5), (-1, 3)$

11) $(-10, -7), (-8, 1)$

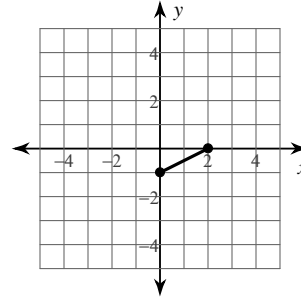
12) $(-6, -10), (-2, -10)$

Find the distance between each pair of points. Give exact distances, write answers in radical form.

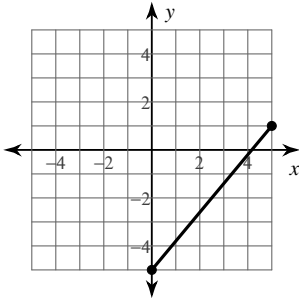
13)



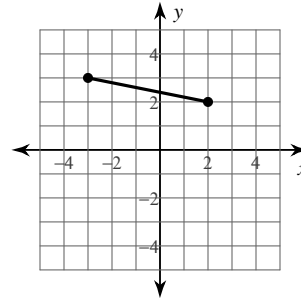
14)



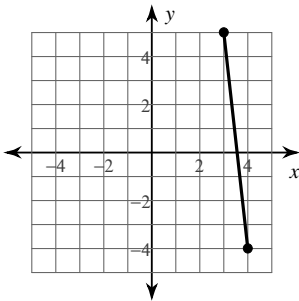
15)



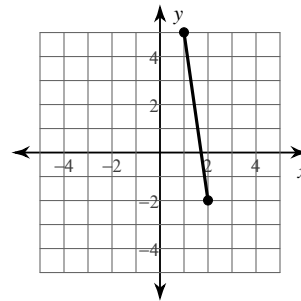
16)



17)



18)



19) $(0, -2), (-5, -1)$

20) $(6, 4), (-5, -1)$

21) $(3, 8), (9, 10)$

22) $(10, 1), (9, -4)$

23) $(-8, 10), (-6, 7)$

24) $(-5, 6), (8, -4)$

Critical thinking questions: (Coordinates for the following answers should be integers.)

25) Name a point that is $\sqrt{2}$ away from $(-1, 5)$.

26) Name a point that is between 50 and 60 units away from $(7, -2)$ and state the distance between the two points.

*Choose points that are not directly vertical or horizontal from $(7, -2)$.