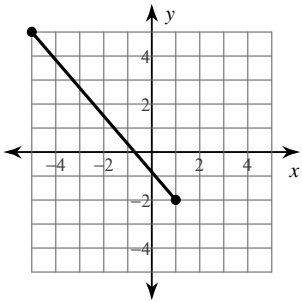


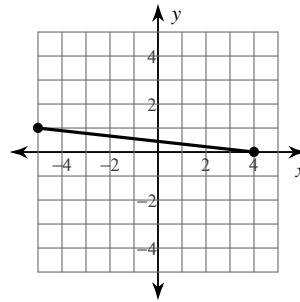
The Distance Formula

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

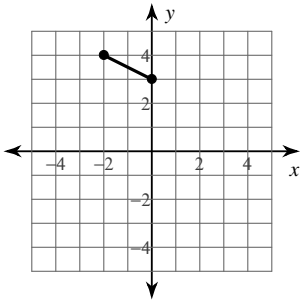
1)



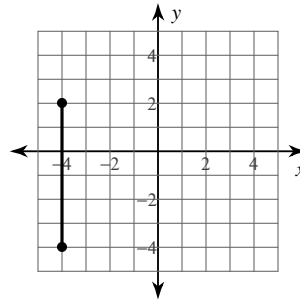
2)



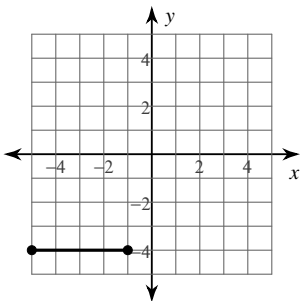
3)



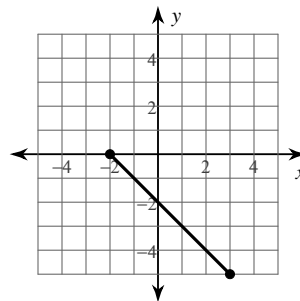
4)



5)



6)



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

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

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

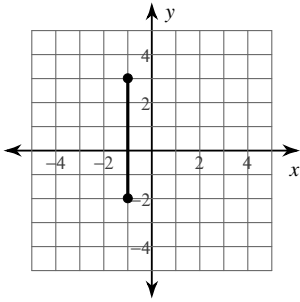
10) $(8, 5), (-1, 3)$

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

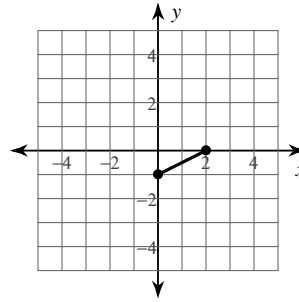
12) $(-6, -10), (-2, -10)$

Find the distance between each pair of points.

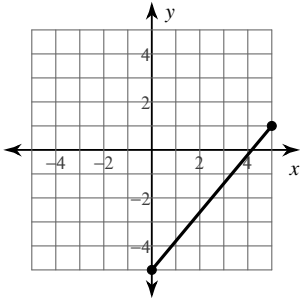
13)



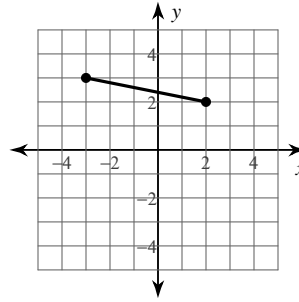
14)



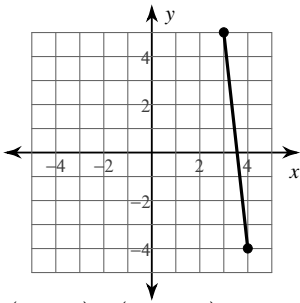
15)



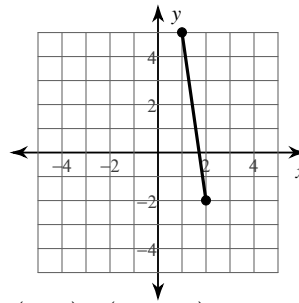
16)



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:

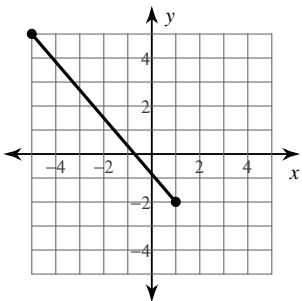
25) Name a point that is $\sqrt{2}$ away from $(-1, 5)$.

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

The Distance Formula

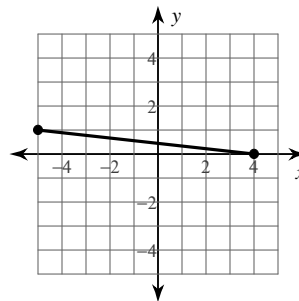
Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

1)



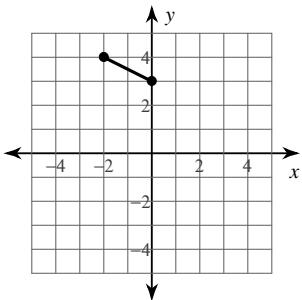
9.2

2)



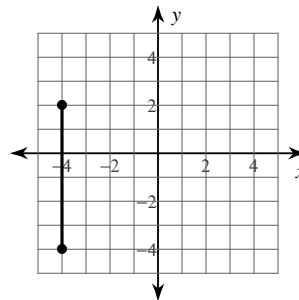
9.1

3)



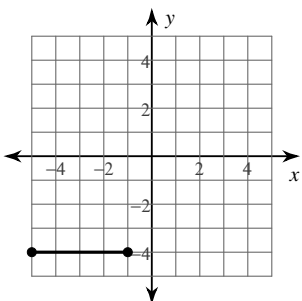
2.2

4)



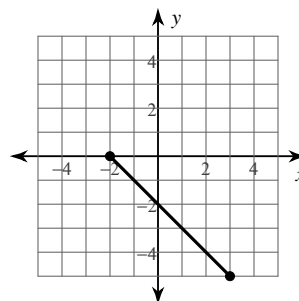
6

5)



4

6)



7.1

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

11.2

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

13.3

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

20

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

9.2

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

8.2

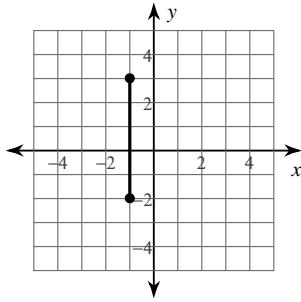
12) $(-6, -10), (-2, -10)$

4

Find the distance between each pair of points.

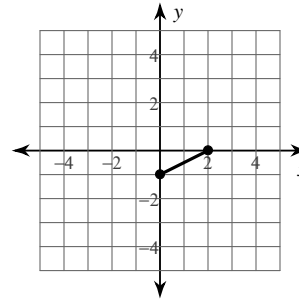
13)

5



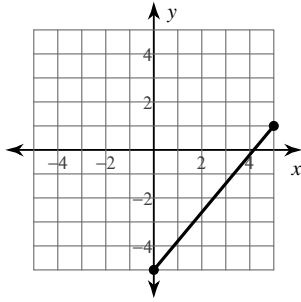
14)

$\sqrt{5}$



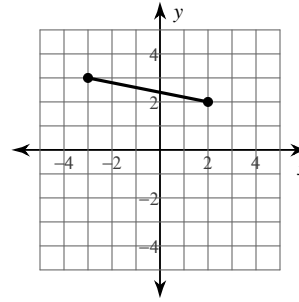
15)

$\sqrt{61}$



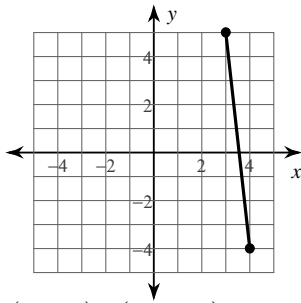
16)

$\sqrt{26}$



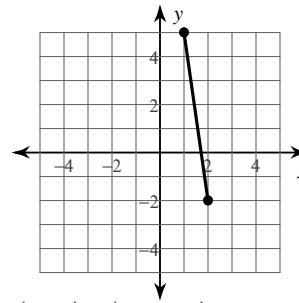
17)

$\sqrt{82}$



18)

$5\sqrt{2}$



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

$\sqrt{26}$

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

$\sqrt{146}$

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

$2\sqrt{10}$

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

$\sqrt{26}$

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

$\sqrt{13}$

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

$\sqrt{269}$

Critical thinking questions:

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

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

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

Many answers. Ex: $(60, -2)$; 53 units