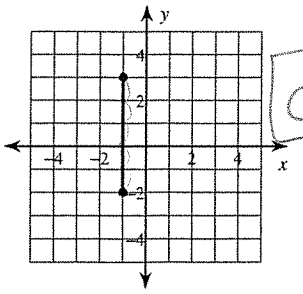
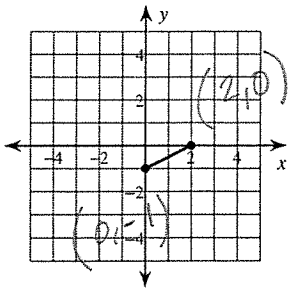
Find the distance between each pair of points.

13)



$d = 5$

14)

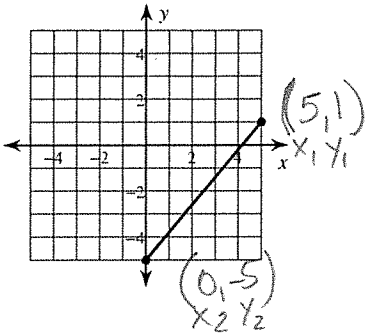


$(2,0)$ $(0,-1)$
$x_1\ y_1$ $x_2\ y_2$

$d = \sqrt{(0-2)^2 + (-1-0)^2}$

$d = \sqrt{4+1} = \sqrt{5}$

15)

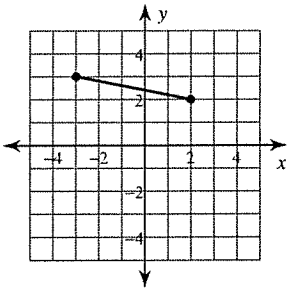


$(5,1)$ $x_1\ y_1$

$(0,-5)$ $x_2\ y_2$

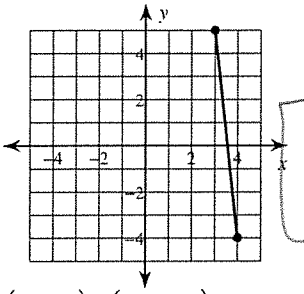
$d = \sqrt{61}$

16)



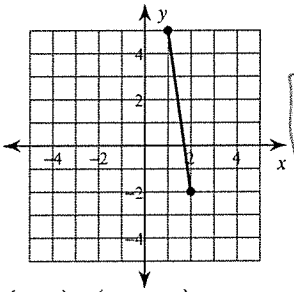
$d = \sqrt{26}$

17)



$d = \sqrt{82}$

18)



$d = 5\sqrt{2}$

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

$d = \sqrt{26}$

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

$d = \sqrt{146}$

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

$d = 2\sqrt{10}$

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

$d = \sqrt{26}$

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

$d = \sqrt{13}$

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

$d = \sqrt{269}$

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.

Answers May Vary