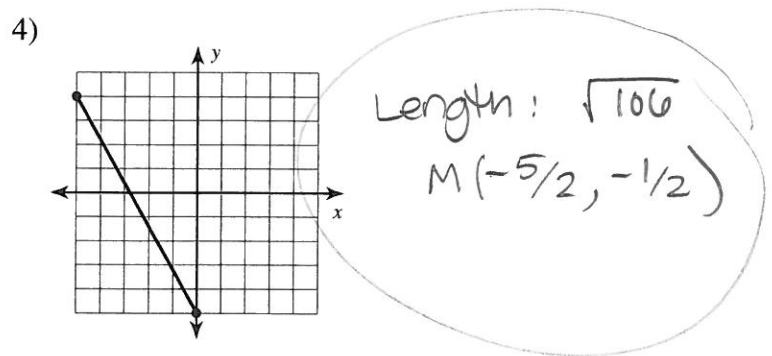
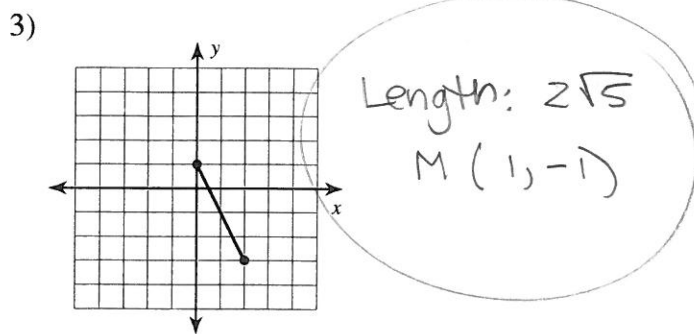
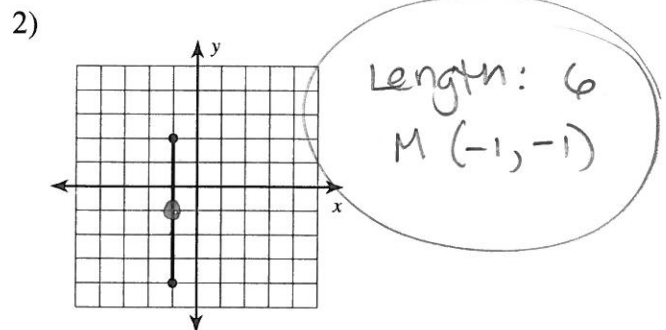
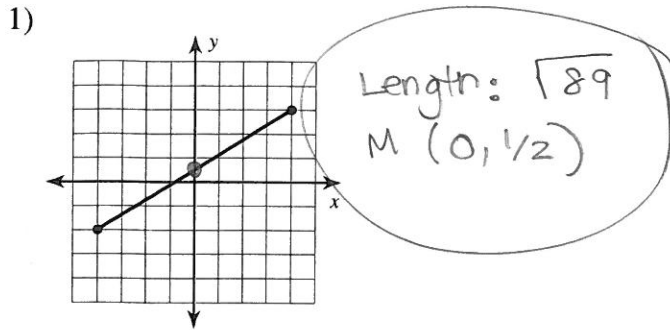


The Distance Formula

and midpoint

Find the distance between each pair of points.



5) $(-1, 2), (2, -4)$ M $(1/2, -1)$
l = $3\sqrt{5}$

6) $(4, 3), (-3, 4)$ M $(1/2, 7/2)$
l = $5\sqrt{2}$

7) $(0, 4), (2, 3)$ M $(1, 7/2)$
l = $\sqrt{5}$

8) $(4, 0), (-4, 1)$ M $(0, 1/2)$
l = $\sqrt{65}$

9) $(12, 12), (-3, 1)$ M $(9/2, 13/2)$
l = $\sqrt{346}$

10) $(1, -9), (6, -6)$ M $(7/2, -15/2)$
l = $\sqrt{34}$

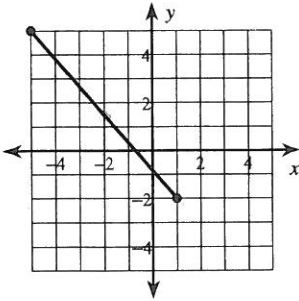
11) $(5, -10), (-5, 4)$ M $(0, -3)$
l = $2\sqrt{74}$

12) $(5, 5), (-6, -4)$ M $(-1/2, 1/2)$
l = $\sqrt{202}$

The Distance Formula

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

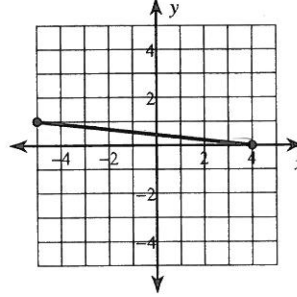
1)



$$M(-2, 3/2)$$

$$l = \sqrt{85}$$

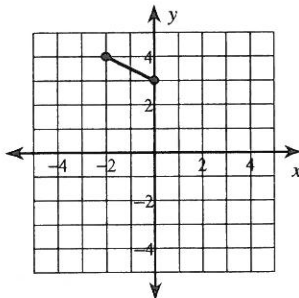
2)



$$M(-1/2, 1/2)$$

$$l = \sqrt{82}$$

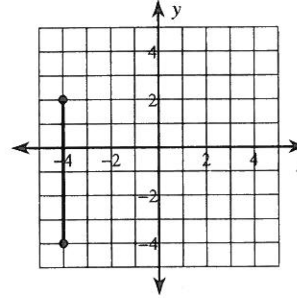
3)



$$M(-1, 7/2)$$

$$l = \sqrt{5}$$

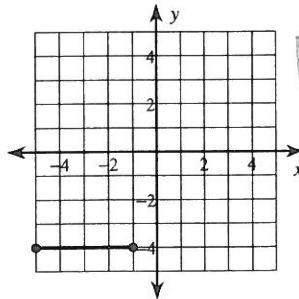
4)



$$M(-4, -1)$$

$$l = 6$$

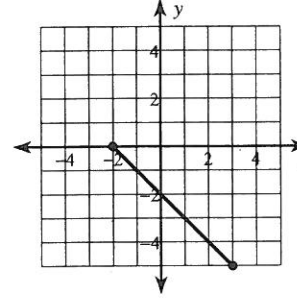
5)



$$M(-3, -4)$$

$$l = 4$$

6)



$$M(1/2, -5/2)$$

$$l = 5\sqrt{2}$$

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

$$M(-9/2, -2)$$

$$l = 5\sqrt{5}$$

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

$$M(1/2, -5/2)$$

$$l = \sqrt{178}$$

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

$$M(-1, 1)$$

$$l = 20$$

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

$$M(7/2, 4)$$

$$l = \sqrt{85}$$

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

$$M(-9, -3)$$

$$l = 2\sqrt{17}$$

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

$$M(-4, -10)$$

$$l = 4$$