# Midpoint and Distance in the Coordinate Plane

MATH MONKS

1. Find the midpoint for each set of points.

   a) (4, 5) and (-6, 3)

   _____

   b) (-1, 5) and (2, -3)

   _____

2. Find the distance between each set of points.

   a) (-2, 8) and (3, -7)

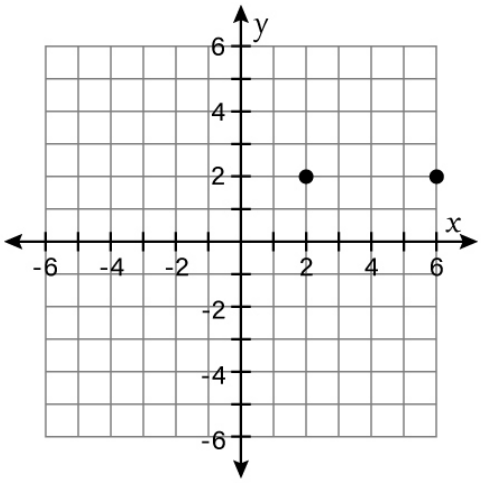
   _____

   b) (0, 0) and (4, 3)

   _____

3. Find the midpoint and the distance between each pair of points in the graph given.

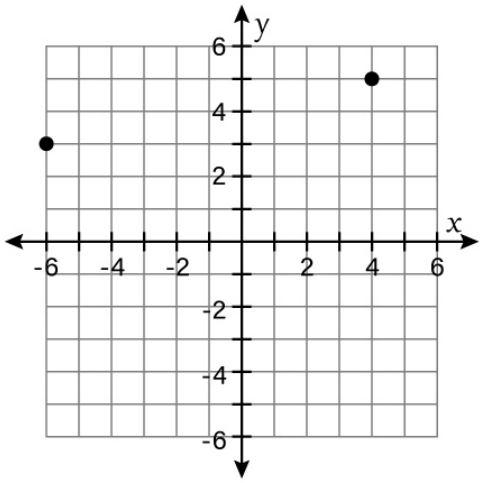
a)




Midpoint = _____

Distance = _____

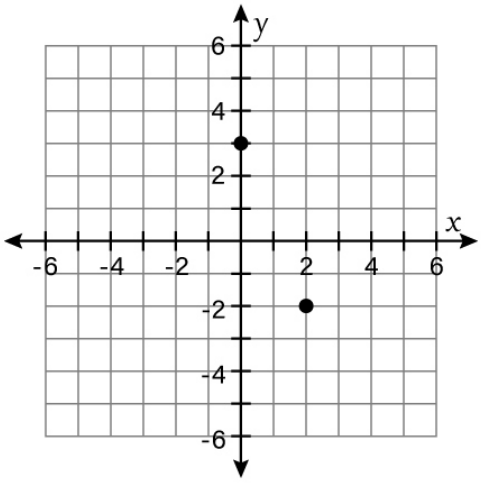
b)




Midpoint = _____

Distance = _____

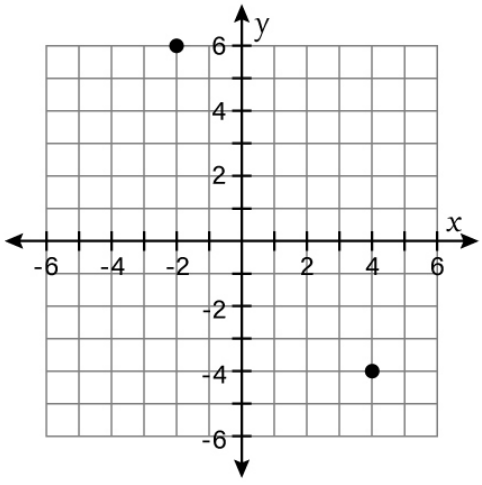
c)




Midpoint = _____

Distance = _____

d)




Midpoint = _____

Distance = _____

# Midpoint and Distance in the Coordinate Plane

MATH MONKS

Answers

1. Find the midpoint for each set of points.

a) (4, 5) and (-6, 3)

(-1, 4)

b) (-1, 5) and (2, -3)

$\left(\frac{1}{2}, 1\right)$

2. Find the distance between each set of points.

a) (-2, 8) and (3, -7)

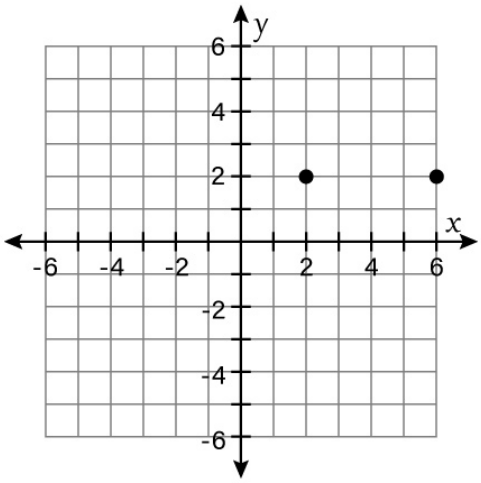
$5\sqrt{10}$

b) (0, 0) and (4, 3)

5

3. Find the midpoint and the distance between each pair of points in the graph given.

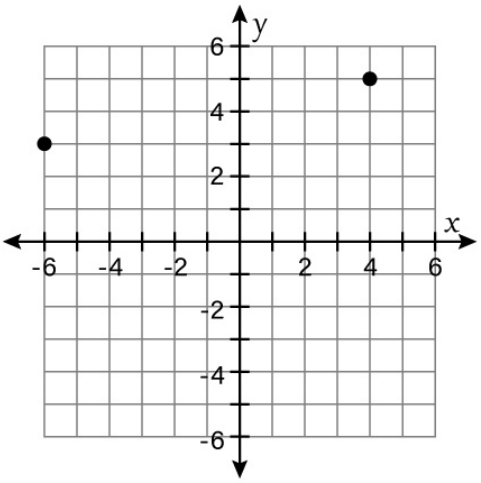
a)




Midpoint = (4, 2)

Distance = 4

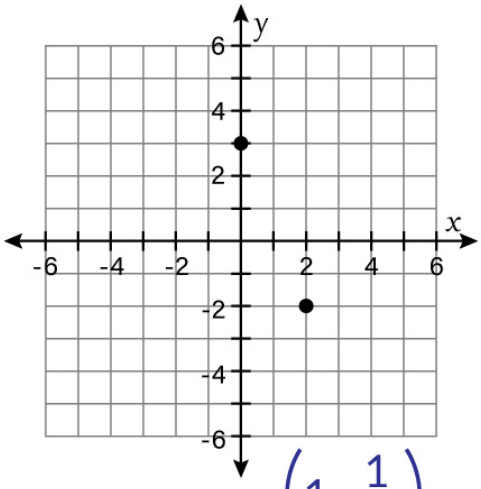
b)




Midpoint = (-1, 4)

Distance = $2\sqrt{26}$

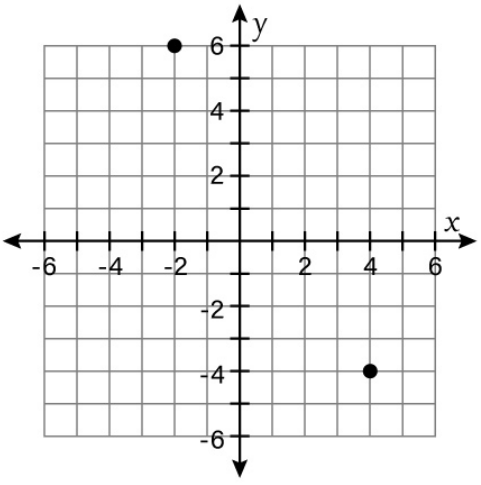
c)




Midpoint = $\left(1, \frac{1}{2}\right)$

Distance = $\sqrt{29}$

d)




Midpoint = (1, 1)

Distance = $2\sqrt{34}$