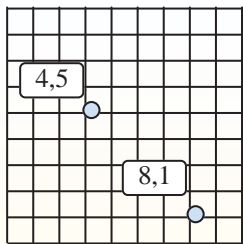




Find the midpoint of each set of coordinates.

Answers



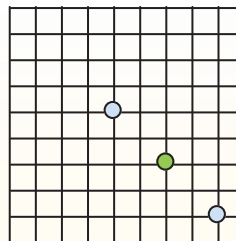
Midpoint Formula

$$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

$$\left(\frac{4 + 8}{2}, \frac{5 + 1}{2} \right)$$

The midpoint is at
(6, 3)

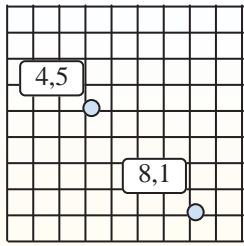


- 1) (9, 1) & (1, 7)
- 2) (9, 3) & (4, 5)
- 3) (0, 2) & (10, 0)
- 4) (10, 2) & (4, 7)
- 5) (7, 2) & (1, 5)
- 6) (8, 4) & (8, 9)
- 7) (4, 8) & (5, 8)
- 8) (1, 5) & (1, 8)
- 9) (1, 6) & (8, 8)
- 10) (9, 3) & (3, 1)
- 11) (4, 6) & (8, 0)
- 12) (5, 7) & (0, 8)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



Find the midpoint of each set of coordinates.



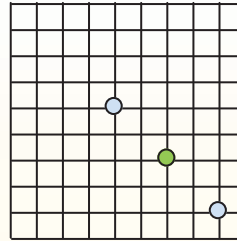
Midpoint Formula

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The midpoint is at
(6, 3)



Answers

- 1) $(9, 1) \& (1, 7) \left(\frac{9+1}{2}, \frac{1+7}{2} \right) = (5, 4)$
- 2) $(9, 3) \& (4, 5) \left(\frac{9+4}{2}, \frac{3+5}{2} \right) = (6.5, 4)$
- 3) $(0, 2) \& (10, 0) \left(\frac{0+10}{2}, \frac{2+0}{2} \right) = (5, 1)$
- 4) $(10, 2) \& (4, 7) \left(\frac{10+4}{2}, \frac{2+7}{2} \right) = (7, 4.5)$
- 5) $(7, 2) \& (1, 5) \left(\frac{7+1}{2}, \frac{2+5}{2} \right) = (4, 3.5)$
- 6) $(8, 4) \& (8, 9) \left(\frac{8+8}{2}, \frac{4+9}{2} \right) = (8, 6.5)$
- 7) $(4, 8) \& (5, 8) \left(\frac{4+5}{2}, \frac{8+8}{2} \right) = (4.5, 8)$
- 8) $(1, 5) \& (1, 8) \left(\frac{1+1}{2}, \frac{5+8}{2} \right) = (1, 6.5)$
- 9) $(1, 6) \& (8, 8) \left(\frac{1+8}{2}, \frac{6+8}{2} \right) = (4.5, 7)$
- 10) $(9, 3) \& (3, 1) \left(\frac{9+3}{2}, \frac{3+1}{2} \right) = (6, 2)$
- 11) $(4, 6) \& (8, 0) \left(\frac{4+8}{2}, \frac{6+0}{2} \right) = (6, 3)$
- 12) $(5, 7) \& (0, 8) \left(\frac{5+0}{2}, \frac{7+8}{2} \right) = (2.5, 7.5)$

1. (5, 4)
2. (6.5, 4)
3. (5, 1)
4. (7, 4.5)
5. (4, 3.5)
6. (8, 6.5)
7. (4.5, 8)
8. (1, 6.5)
9. (4.5, 7)
10. (6, 2)
11. (6, 3)
12. (2.5, 7.5)