



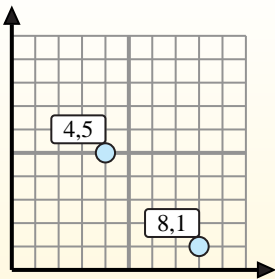
Find the midpoint of the set of coordinates.

Midpoint Formula

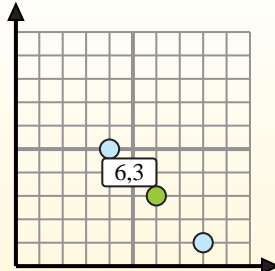
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$



The midpoint is at (6,3).



Answers

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

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



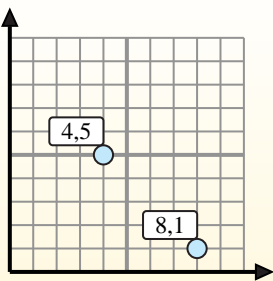
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Midpoint Formula

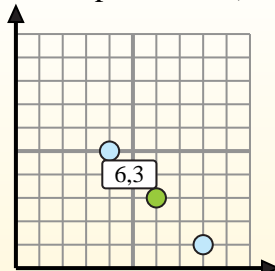
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The midpoint is at (6,3).



Answers

1) $(7, 10) \& (1, 8) \left(\frac{7+1}{2}, \frac{10+8}{2} \right) = (4, 9)$

2) $(2, 10) \& (2, 9) \left(\frac{2+2}{2}, \frac{10+9}{2} \right) = (2, 9.5)$

3) $(5, 4) \& (1, 7) \left(\frac{5+1}{2}, \frac{4+7}{2} \right) = (3, 5.5)$

4) $(3, 0) \& (3, 10) \left(\frac{3+3}{2}, \frac{0+10}{2} \right) = (3, 5)$

5) $(2, 10) \& (0, 4) \left(\frac{2+0}{2}, \frac{10+4}{2} \right) = (1, 7)$

6) $(7, 7) \& (2, 10) \left(\frac{7+2}{2}, \frac{7+10}{2} \right) = (4.5, 8.5)$

7) $(1, 6) \& (4, 8) \left(\frac{1+4}{2}, \frac{6+8}{2} \right) = (2.5, 7)$

8) $(9, 7) \& (1, 5) \left(\frac{9+1}{2}, \frac{7+5}{2} \right) = (5, 6)$

9) $(2, 5) \& (1, 8) \left(\frac{2+1}{2}, \frac{5+8}{2} \right) = (1.5, 6.5)$

10) $(0, 10) \& (6, 1) \left(\frac{0+6}{2}, \frac{10+1}{2} \right) = (3, 5.5)$

11) $(9, 9) \& (0, 7) \left(\frac{9+0}{2}, \frac{9+7}{2} \right) = (4.5, 8)$

12) $(5, 4) \& (2, 8) \left(\frac{5+2}{2}, \frac{4+8}{2} \right) = (3.5, 6)$

1. (4, 9)
2. (2, 9.5)
3. (3, 5.5)
4. (3, 5)
5. (1, 7)
6. (4.5, 8.5)
7. (2.5, 7)
8. (5, 6)
9. (1.5, 6.5)
10. (3, 5.5)
11. (4.5, 8)
12. (3.5, 6)