



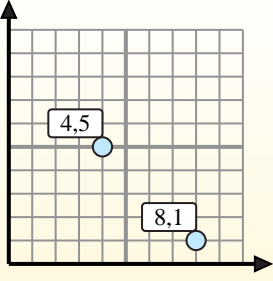
Find the midpoint of the set of coordinates.

Midpoint Formula

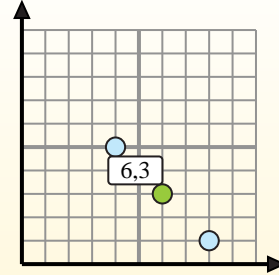
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. _____
2. _____
3. _____
4. _____
5. _____
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9. _____
10. _____
11. _____
12. _____



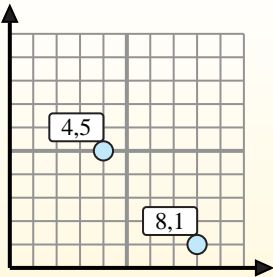
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Midpoint Formula

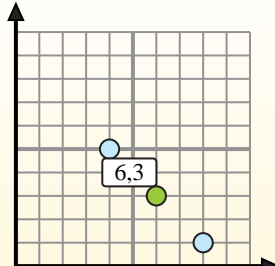
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To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

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



The midpoint is at (6,3).



Answers

1) $(4, 10) \& (4, 1) \left(\frac{4+4}{2}, \frac{10+1}{2} \right) = (4, 5.5)$

2) $(10, 6) \& (5, 9) \left(\frac{10+5}{2}, \frac{6+9}{2} \right) = (7.5, 7.5)$

3) $(9, 10) \& (7, 0) \left(\frac{9+7}{2}, \frac{10+0}{2} \right) = (8, 5)$

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

5) $(3, 9) \& (9, 3) \left(\frac{3+9}{2}, \frac{9+3}{2} \right) = (6, 6)$

6) $(2, 3) \& (4, 2) \left(\frac{2+4}{2}, \frac{3+2}{2} \right) = (3, 2.5)$

7) $(5, 0) \& (8, 8) \left(\frac{5+8}{2}, \frac{0+8}{2} \right) = (6.5, 4)$

8) $(1, 9) \& (2, 5) \left(\frac{1+2}{2}, \frac{9+5}{2} \right) = (1.5, 7)$

9) $(2, 4) \& (5, 10) \left(\frac{2+5}{2}, \frac{4+10}{2} \right) = (3.5, 7)$

10) $(4, 1) \& (2, 10) \left(\frac{4+2}{2}, \frac{1+10}{2} \right) = (3, 5.5)$

11) $(1, 4) \& (6, 5) \left(\frac{1+6}{2}, \frac{4+5}{2} \right) = (3.5, 4.5)$

12) $(10, 10) \& (1, 1) \left(\frac{10+1}{2}, \frac{10+1}{2} \right) = (5.5, 5.5)$

1. (4, 5.5)
2. (7.5, 7.5)
3. (8, 5)
4. (3, 3)
5. (6, 6)
6. (3, 2.5)
7. (6.5, 4)
8. (1.5, 7)
9. (3.5, 7)
10. (3, 5.5)
11. (3.5, 4.5)
12. (5.5, 5.5)