



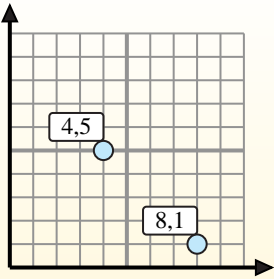
Find the midpoint of the set of coordinates.

Midpoint Formula

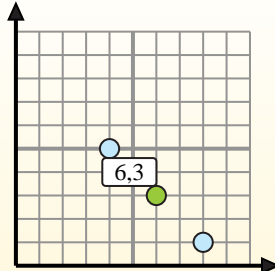
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



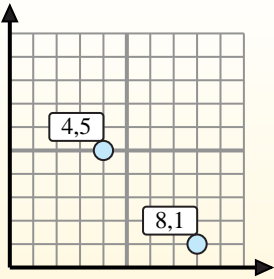
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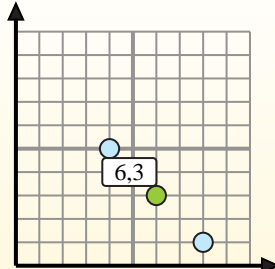
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$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$



The midpoint is at (6,3).



Answers

- 1) $(8, 4) \& (8, 4) \left(\frac{8+8}{2}, \frac{4+4}{2} \right) = (8, 4)$
- 2) $(4, 4) \& (0, 9) \left(\frac{4+0}{2}, \frac{4+9}{2} \right) = (2, 6.5)$
- 3) $(7, 1) \& (7, 5) \left(\frac{7+7}{2}, \frac{1+5}{2} \right) = (7, 3)$
- 4) $(2, 0) \& (2, 6) \left(\frac{2+2}{2}, \frac{0+6}{2} \right) = (2, 3)$
- 5) $(4, 8) \& (5, 1) \left(\frac{4+5}{2}, \frac{8+1}{2} \right) = (4.5, 4.5)$
- 6) $(1, 7) \& (3, 8) \left(\frac{1+3}{2}, \frac{7+8}{2} \right) = (2, 7.5)$
- 7) $(2, 6) \& (2, 1) \left(\frac{2+2}{2}, \frac{6+1}{2} \right) = (2, 3.5)$
- 8) $(7, 2) \& (5, 1) \left(\frac{7+5}{2}, \frac{2+1}{2} \right) = (6, 1.5)$
- 9) $(9, 8) \& (7, 4) \left(\frac{9+7}{2}, \frac{8+4}{2} \right) = (8, 6)$
- 10) $(2, 9) \& (3, 5) \left(\frac{2+3}{2}, \frac{9+5}{2} \right) = (2.5, 7)$
- 11) $(7, 1) \& (6, 1) \left(\frac{7+6}{2}, \frac{1+1}{2} \right) = (6.5, 1)$
- 12) $(10, 2) \& (4, 1) \left(\frac{10+4}{2}, \frac{2+1}{2} \right) = (7, 1.5)$

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