



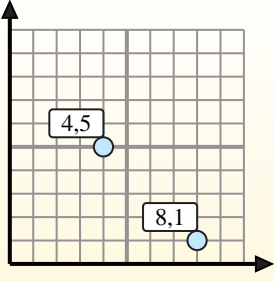
Find the midpoint of the set of coordinates.

Midpoint Formula

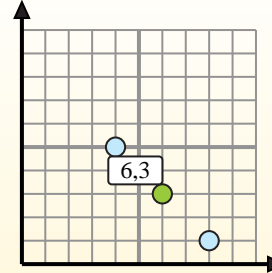
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. _____
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12. _____



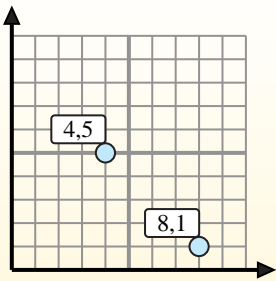
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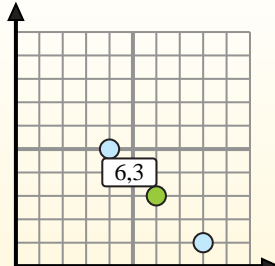
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$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$



The midpoint is at (6,3).



Answers

- 1) $(9, 4) \& (0, 4) \left(\frac{9+0}{2}, \frac{4+4}{2} \right) = (4.5, 4)$
- 2) $(4, 7) \& (6, 6) \left(\frac{4+6}{2}, \frac{7+6}{2} \right) = (5, 6.5)$
- 3) $(8, 1) \& (3, 0) \left(\frac{8+3}{2}, \frac{1+0}{2} \right) = (5.5, 0.5)$
- 4) $(5, 5) \& (0, 9) \left(\frac{5+0}{2}, \frac{5+9}{2} \right) = (2.5, 7)$
- 5) $(2, 0) \& (0, 4) \left(\frac{2+0}{2}, \frac{0+4}{2} \right) = (1, 2)$
- 6) $(4, 0) \& (1, 4) \left(\frac{4+1}{2}, \frac{0+4}{2} \right) = (2.5, 2)$
- 7) $(9, 10) \& (7, 2) \left(\frac{9+7}{2}, \frac{10+2}{2} \right) = (8, 6)$
- 8) $(1, 0) \& (7, 1) \left(\frac{1+7}{2}, \frac{0+1}{2} \right) = (4, 0.5)$
- 9) $(5, 9) \& (5, 1) \left(\frac{5+5}{2}, \frac{9+1}{2} \right) = (5, 5)$
- 10) $(8, 9) \& (3, 8) \left(\frac{8+3}{2}, \frac{9+8}{2} \right) = (5.5, 8.5)$
- 11) $(3, 2) \& (8, 4) \left(\frac{3+8}{2}, \frac{2+4}{2} \right) = (5.5, 3)$
- 12) $(1, 10) \& (2, 8) \left(\frac{1+2}{2}, \frac{10+8}{2} \right) = (1.5, 9)$

1. **(4.5, 4)**
2. **(5, 6.5)**
3. **(5.5, 0.5)**
4. **(2.5, 7)**
5. **(1, 2)**
6. **(2.5, 2)**
7. **(8, 6)**
8. **(4, 0.5)**
9. **(5, 5)**
10. **(5.5, 8.5)**
11. **(5.5, 3)**
12. **(1.5, 9)**