



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)

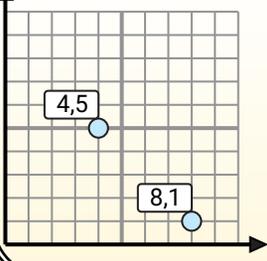
Answers

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

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



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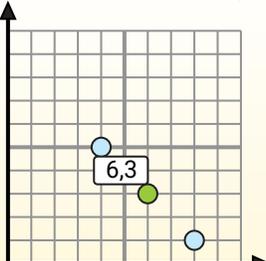
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Answers

- 1) $(9, 4) \& (5, 2) \left(\frac{9+5}{2}, \frac{4+2}{2} \right) = (7, 3)$
- 2) $(7, 9) \& (8, 5) \left(\frac{7+8}{2}, \frac{9+5}{2} \right) = (7.5, 7)$
- 3) $(7, 5) \& (0, 4) \left(\frac{7+0}{2}, \frac{5+4}{2} \right) = (3.5, 4.5)$
- 4) $(9, 6) \& (2, 1) \left(\frac{9+2}{2}, \frac{6+1}{2} \right) = (5.5, 3.5)$
- 5) $(7, 4) \& (7, 8) \left(\frac{7+7}{2}, \frac{4+8}{2} \right) = (7, 6)$
- 6) $(8, 9) \& (3, 10) \left(\frac{8+3}{2}, \frac{9+10}{2} \right) = (5.5, 9.5)$
- 7) $(8, 8) \& (8, 0) \left(\frac{8+8}{2}, \frac{8+0}{2} \right) = (8, 4)$
- 8) $(2, 1) \& (7, 6) \left(\frac{2+7}{2}, \frac{1+6}{2} \right) = (4.5, 3.5)$
- 9) $(10, 7) \& (6, 6) \left(\frac{10+6}{2}, \frac{7+6}{2} \right) = (8, 6.5)$
- 10) $(10, 8) \& (6, 6) \left(\frac{10+6}{2}, \frac{8+6}{2} \right) = (8, 7)$
- 11) $(7, 4) \& (3, 3) \left(\frac{7+3}{2}, \frac{4+3}{2} \right) = (5, 3.5)$
- 12) $(2, 1) \& (8, 3) \left(\frac{2+8}{2}, \frac{1+3}{2} \right) = (5, 2)$

1. **(7, 3)**
2. **(7.5, 7)**
3. **(3.5, 4.5)**
4. **(5.5, 3.5)**
5. **(7, 6)**
6. **(5.5, 9.5)**
7. **(8, 4)**
8. **(4.5, 3.5)**
9. **(8, 6.5)**
10. **(8, 7)**
11. **(5, 3.5)**
12. **(5, 2)**