



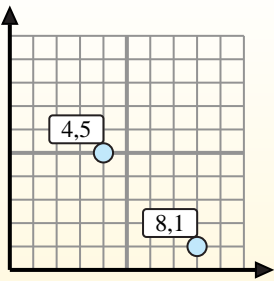
Find the midpoint of the set of coordinates.

Midpoint Formula

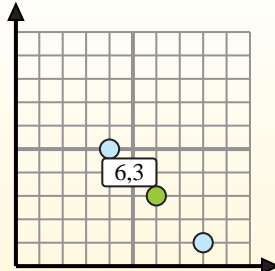
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) (3, 7) & (4, 7)

2) (0, 10) & (2, 7)

3) (9, 2) & (6, 9)

4) (3, 1) & (10, 1)

5) (5, 9) & (4, 10)

6) (5, 10) & (6, 9)

7) (5, 2) & (7, 6)

8) (10, 10) & (1, 9)

9) (5, 5) & (6, 6)

10) (7, 2) & (0, 10)

11) (8, 4) & (5, 3)

12) (5, 10) & (9, 5)

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



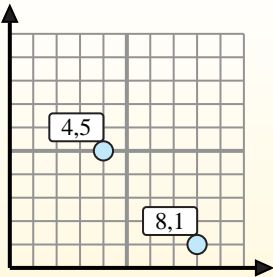
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Midpoint Formula

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

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) $(3, 7) \& (4, 7) \left(\frac{3+4}{2}, \frac{7+7}{2} \right) = (3.5, 7)$
- 2) $(0, 10) \& (2, 7) \left(\frac{0+2}{2}, \frac{10+7}{2} \right) = (1, 8.5)$
- 3) $(9, 2) \& (6, 9) \left(\frac{9+6}{2}, \frac{2+9}{2} \right) = (7.5, 5.5)$
- 4) $(3, 1) \& (10, 1) \left(\frac{3+10}{2}, \frac{1+1}{2} \right) = (6.5, 1)$
- 5) $(5, 9) \& (4, 10) \left(\frac{5+4}{2}, \frac{9+10}{2} \right) = (4.5, 9.5)$
- 6) $(5, 10) \& (6, 9) \left(\frac{5+6}{2}, \frac{10+9}{2} \right) = (5.5, 9.5)$
- 7) $(5, 2) \& (7, 6) \left(\frac{5+7}{2}, \frac{2+6}{2} \right) = (6, 4)$
- 8) $(10, 10) \& (1, 9) \left(\frac{10+1}{2}, \frac{10+9}{2} \right) = (5.5, 9.5)$
- 9) $(5, 5) \& (6, 6) \left(\frac{5+6}{2}, \frac{5+6}{2} \right) = (5.5, 5.5)$
- 10) $(7, 2) \& (0, 10) \left(\frac{7+0}{2}, \frac{2+10}{2} \right) = (3.5, 6)$
- 11) $(8, 4) \& (5, 3) \left(\frac{8+5}{2}, \frac{4+3}{2} \right) = (6.5, 3.5)$
- 12) $(5, 10) \& (9, 5) \left(\frac{5+9}{2}, \frac{10+5}{2} \right) = (7, 7.5)$

1. **(3.5, 7)**
2. **(1, 8.5)**
3. **(7.5, 5.5)**
4. **(6.5, 1)**
5. **(4.5, 9.5)**
6. **(5.5, 9.5)**
7. **(6, 4)**
8. **(5.5, 9.5)**
9. **(5.5, 5.5)**
10. **(3.5, 6)**
11. **(6.5, 3.5)**
12. **(7, 7.5)**