



Find the midpoint of the set of coordinates.

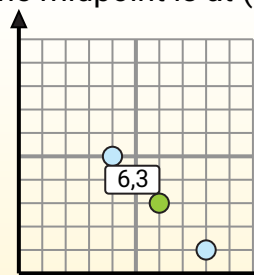
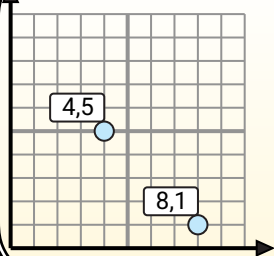
Midpoint Formula

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

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

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



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Answers

1) $(1, 6) \& (4, 2) \left(\frac{1+4}{2}, \frac{6+2}{2} \right) = (2.5, 4)$

2) $(8, 3) \& (5, 7) \left(\frac{8+5}{2}, \frac{3+7}{2} \right) = (6.5, 5)$

3) $(1, 9) \& (1, 8) \left(\frac{1+1}{2}, \frac{9+8}{2} \right) = (1, 8.5)$

4) $(3, 6) \& (9, 2) \left(\frac{3+9}{2}, \frac{6+2}{2} \right) = (6, 4)$

5) $(6, 0) \& (0, 5) \left(\frac{6+0}{2}, \frac{0+5}{2} \right) = (3, 2.5)$

6) $(9, 6) \& (7, 7) \left(\frac{9+7}{2}, \frac{6+7}{2} \right) = (8, 6.5)$

7) $(6, 4) \& (10, 6) \left(\frac{6+10}{2}, \frac{4+6}{2} \right) = (8, 5)$

8) $(0, 5) \& (7, 9) \left(\frac{0+7}{2}, \frac{5+9}{2} \right) = (3.5, 7)$

9) $(6, 5) \& (7, 10) \left(\frac{6+7}{2}, \frac{5+10}{2} \right) = (6.5, 7.5)$

10) $(5, 8) \& (10, 1) \left(\frac{5+10}{2}, \frac{8+1}{2} \right) = (7.5, 4.5)$

11) $(9, 5) \& (9, 6) \left(\frac{9+9}{2}, \frac{5+6}{2} \right) = (9, 5.5)$

12) $(1, 9) \& (5, 5) \left(\frac{1+5}{2}, \frac{9+5}{2} \right) = (3, 7)$

1. **(2.5, 4)**

2. **(6.5, 5)**

3. **(1, 8.5)**

4. **(6, 4)**

5. **(3, 2.5)**

6. **(8, 6.5)**

7. **(8, 5)**

8. **(3.5, 7)**

9. **(6.5, 7.5)**

10. **(7.5, 4.5)**

11. **(9, 5.5)**

12. **(3, 7)**