



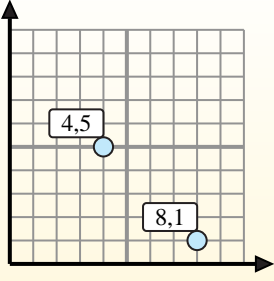
Find the midpoint of the set of coordinates.

**Midpoint Formula**

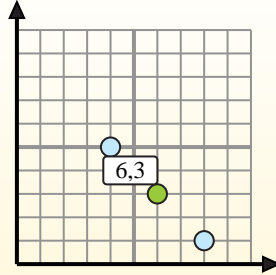
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. \_\_\_\_\_
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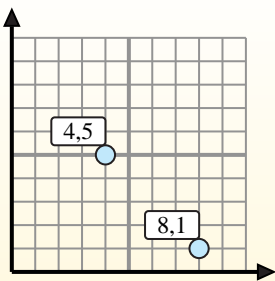
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**Midpoint Formula**

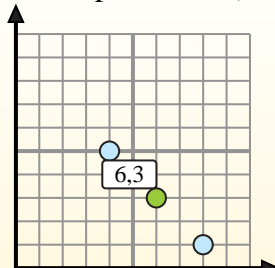
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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)  $(2, 3) \& (5, 9) \left( \frac{2+5}{2}, \frac{3+9}{2} \right) = (3.5, 6)$
- 2)  $(1, 9) \& (9, 2) \left( \frac{1+9}{2}, \frac{9+2}{2} \right) = (5, 5.5)$
- 3)  $(6, 7) \& (5, 3) \left( \frac{6+5}{2}, \frac{7+3}{2} \right) = (5.5, 5)$
- 4)  $(4, 9) \& (8, 8) \left( \frac{4+8}{2}, \frac{9+8}{2} \right) = (6, 8.5)$
- 5)  $(2, 6) \& (9, 9) \left( \frac{2+9}{2}, \frac{6+9}{2} \right) = (5.5, 7.5)$
- 6)  $(2, 0) \& (7, 4) \left( \frac{2+7}{2}, \frac{0+4}{2} \right) = (4.5, 2)$
- 7)  $(4, 8) \& (1, 7) \left( \frac{4+1}{2}, \frac{8+7}{2} \right) = (2.5, 7.5)$
- 8)  $(6, 4) \& (5, 1) \left( \frac{6+5}{2}, \frac{4+1}{2} \right) = (5.5, 2.5)$
- 9)  $(9, 3) \& (7, 10) \left( \frac{9+7}{2}, \frac{3+10}{2} \right) = (8, 6.5)$
- 10)  $(7, 3) \& (3, 6) \left( \frac{7+3}{2}, \frac{3+6}{2} \right) = (5, 4.5)$
- 11)  $(9, 2) \& (7, 8) \left( \frac{9+7}{2}, \frac{2+8}{2} \right) = (8, 5)$
- 12)  $(9, 3) \& (0, 1) \left( \frac{9+0}{2}, \frac{3+1}{2} \right) = (4.5, 2)$

1. **(3.5, 6)**
2. **(5, 5.5)**
3. **(5.5, 5)**
4. **(6, 8.5)**
5. **(5.5, 7.5)**
6. **(4.5, 2)**
7. **(2.5, 7.5)**
8. **(5.5, 2.5)**
9. **(8, 6.5)**
10. **(5, 4.5)**
11. **(8, 5)**
12. **(4.5, 2)**