



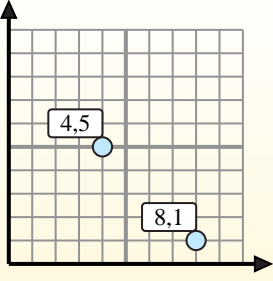
Find the midpoint of the set of coordinates.

**Midpoint Formula**

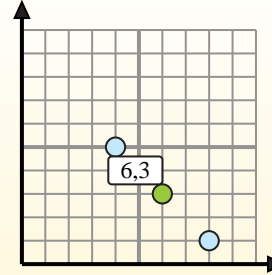
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. \_\_\_\_\_
2. \_\_\_\_\_
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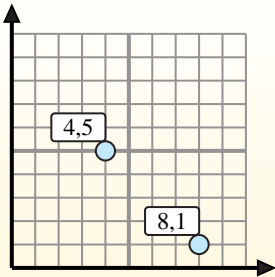
Find the midpoint of the set of coordinates.

**Midpoint Formula**

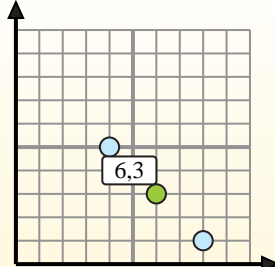
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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)  $(6, 9) \& (6, 6) \left( \frac{6+6}{2}, \frac{9+6}{2} \right) = (6, 7.5)$
- 2)  $(8, 1) \& (0, 10) \left( \frac{8+0}{2}, \frac{1+10}{2} \right) = (4, 5.5)$
- 3)  $(4, 0) \& (1, 6) \left( \frac{4+1}{2}, \frac{0+6}{2} \right) = (2.5, 3)$
- 4)  $(5, 0) \& (6, 8) \left( \frac{5+6}{2}, \frac{0+8}{2} \right) = (5.5, 4)$
- 5)  $(9, 5) \& (10, 4) \left( \frac{9+10}{2}, \frac{5+4}{2} \right) = (9.5, 4.5)$
- 6)  $(10, 4) \& (7, 8) \left( \frac{10+7}{2}, \frac{4+8}{2} \right) = (8.5, 6)$
- 7)  $(0, 0) \& (3, 4) \left( \frac{0+3}{2}, \frac{0+4}{2} \right) = (1.5, 2)$
- 8)  $(4, 1) \& (3, 4) \left( \frac{4+3}{2}, \frac{1+4}{2} \right) = (3.5, 2.5)$
- 9)  $(5, 8) \& (4, 5) \left( \frac{5+4}{2}, \frac{8+5}{2} \right) = (4.5, 6.5)$
- 10)  $(8, 6) \& (9, 1) \left( \frac{8+9}{2}, \frac{6+1}{2} \right) = (8.5, 3.5)$
- 11)  $(3, 7) \& (1, 0) \left( \frac{3+1}{2}, \frac{7+0}{2} \right) = (2, 3.5)$
- 12)  $(4, 5) \& (4, 3) \left( \frac{4+4}{2}, \frac{5+3}{2} \right) = (4, 4)$

1. (6, 7.5)
2. (4, 5.5)
3. (2.5, 3)
4. (5.5, 4)
5. (9.5, 4.5)
6. (8.5, 6)
7. (1.5, 2)
8. (3.5, 2.5)
9. (4.5, 6.5)
10. (8.5, 3.5)
11. (2, 3.5)
12. (4, 4)