



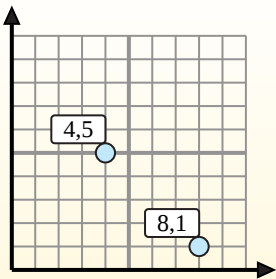
Find the midpoint of the set of coordinates.

Midpoint Formula

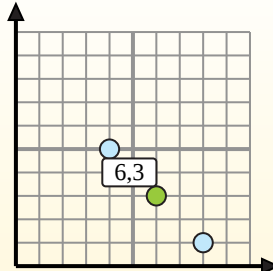
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. _____
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9. _____
10. _____
11. _____
12. _____



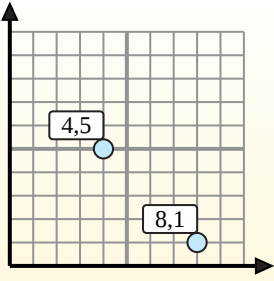
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Midpoint Formula

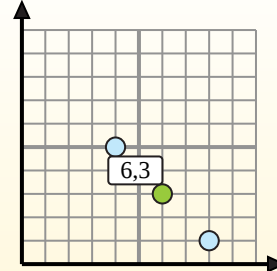
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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