



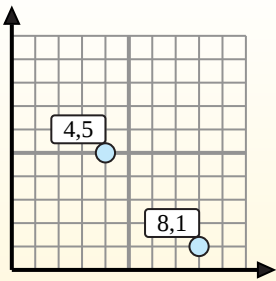
Find the midpoint of the set of coordinates.

Midpoint Formula

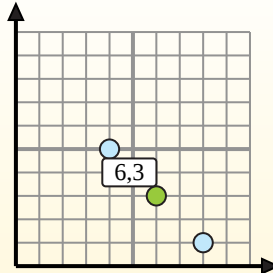
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. _____
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11. _____
12. _____



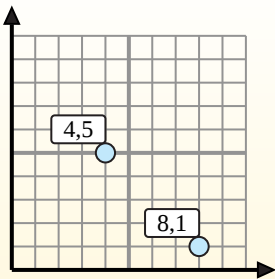
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Midpoint Formula

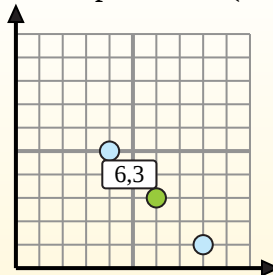
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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