



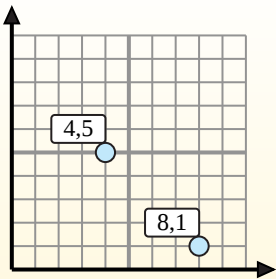
Find the midpoint of the set of coordinates.

Midpoint Formula

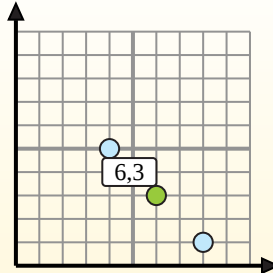
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$

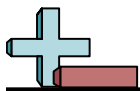


The midpoint is at (6,3).

**Answers**

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

1. _____
2. _____
3. _____
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9. _____
10. _____
11. _____
12. _____



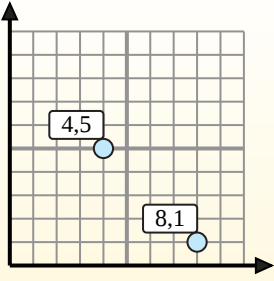
Find the midpoint of the set of coordinates.

Midpoint Formula

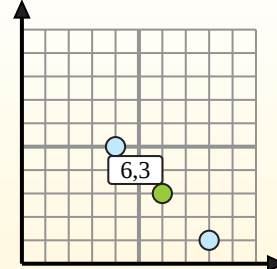
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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