



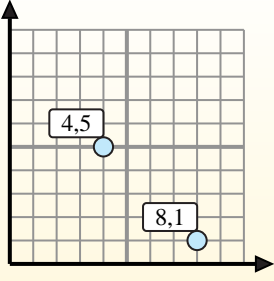
Find the midpoint of the set of coordinates.

Midpoint Formula

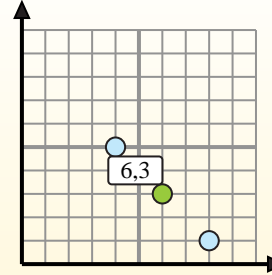
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. _____
2. _____
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4. _____
5. _____
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9. _____
10. _____
11. _____
12. _____



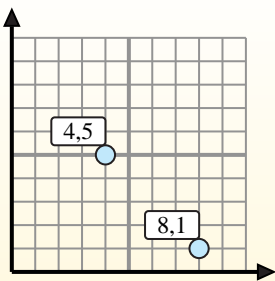
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Midpoint Formula

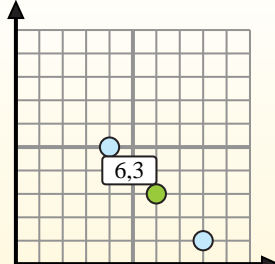
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) $(6, 2) \& (2, 3) \left(\frac{6+2}{2}, \frac{2+3}{2} \right) = (4, 2.5)$
- 2) $(10, 1) \& (8, 4) \left(\frac{10+8}{2}, \frac{1+4}{2} \right) = (9, 2.5)$
- 3) $(4, 6) \& (5, 0) \left(\frac{4+5}{2}, \frac{6+0}{2} \right) = (4.5, 3)$
- 4) $(3, 8) \& (4, 0) \left(\frac{3+4}{2}, \frac{8+0}{2} \right) = (3.5, 4)$
- 5) $(2, 7) \& (1, 4) \left(\frac{2+1}{2}, \frac{7+4}{2} \right) = (1.5, 5.5)$
- 6) $(3, 2) \& (5, 1) \left(\frac{3+5}{2}, \frac{2+1}{2} \right) = (4, 1.5)$
- 7) $(3, 1) \& (10, 7) \left(\frac{3+10}{2}, \frac{1+7}{2} \right) = (6.5, 4)$
- 8) $(1, 2) \& (0, 6) \left(\frac{1+0}{2}, \frac{2+6}{2} \right) = (0.5, 4)$
- 9) $(2, 0) \& (7, 1) \left(\frac{2+7}{2}, \frac{0+1}{2} \right) = (4.5, 0.5)$
- 10) $(5, 4) \& (0, 2) \left(\frac{5+0}{2}, \frac{4+2}{2} \right) = (2.5, 3)$
- 11) $(2, 5) \& (6, 2) \left(\frac{2+6}{2}, \frac{5+2}{2} \right) = (4, 3.5)$
- 12) $(5, 1) \& (9, 2) \left(\frac{5+9}{2}, \frac{1+2}{2} \right) = (7, 1.5)$

1. **(4, 2.5)**
2. **(9, 2.5)**
3. **(4.5, 3)**
4. **(3.5, 4)**
5. **(1.5, 5.5)**
6. **(4, 1.5)**
7. **(6.5, 4)**
8. **(0.5, 4)**
9. **(4.5, 0.5)**
10. **(2.5, 3)**
11. **(4, 3.5)**
12. **(7, 1.5)**