



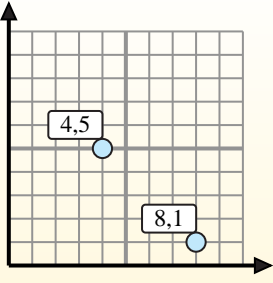
Find the midpoint of the set of coordinates.

Midpoint Formula

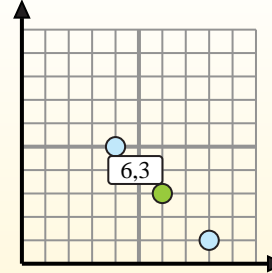
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____



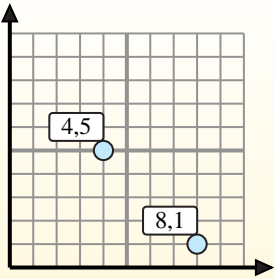
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Midpoint Formula

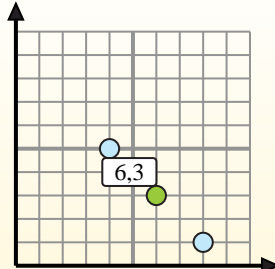
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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