



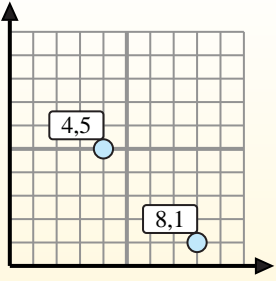
Find the midpoint of the set of coordinates.

Midpoint Formula

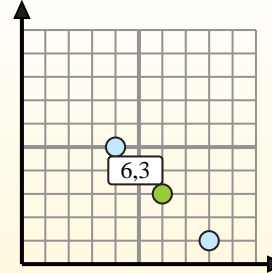
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



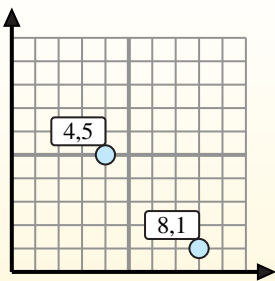
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Midpoint Formula

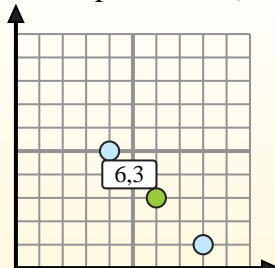
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) $(1, 2) \& (8, 7) \left(\frac{1+8}{2}, \frac{2+7}{2} \right) = (4.5, 4.5)$
- 2) $(0, 8) \& (1, 1) \left(\frac{0+1}{2}, \frac{8+1}{2} \right) = (0.5, 4.5)$
- 3) $(10, 7) \& (9, 7) \left(\frac{10+9}{2}, \frac{7+7}{2} \right) = (9.5, 7)$
- 4) $(10, 5) \& (7, 7) \left(\frac{10+7}{2}, \frac{5+7}{2} \right) = (8.5, 6)$
- 5) $(3, 5) \& (8, 0) \left(\frac{3+8}{2}, \frac{5+0}{2} \right) = (5.5, 2.5)$
- 6) $(1, 0) \& (8, 5) \left(\frac{1+8}{2}, \frac{0+5}{2} \right) = (4.5, 2.5)$
- 7) $(3, 5) \& (6, 10) \left(\frac{3+6}{2}, \frac{5+10}{2} \right) = (4.5, 7.5)$
- 8) $(7, 8) \& (8, 5) \left(\frac{7+8}{2}, \frac{8+5}{2} \right) = (7.5, 6.5)$
- 9) $(3, 3) \& (1, 4) \left(\frac{3+1}{2}, \frac{3+4}{2} \right) = (2, 3.5)$
- 10) $(4, 3) \& (4, 4) \left(\frac{4+4}{2}, \frac{3+4}{2} \right) = (4, 3.5)$
- 11) $(1, 8) \& (9, 0) \left(\frac{1+9}{2}, \frac{8+0}{2} \right) = (5, 4)$
- 12) $(3, 8) \& (3, 9) \left(\frac{3+3}{2}, \frac{8+9}{2} \right) = (3, 8.5)$

1. (4.5, 4.5)
2. (0.5, 4.5)
3. (9.5, 7)
4. (8.5, 6)
5. (5.5, 2.5)
6. (4.5, 2.5)
7. (4.5, 7.5)
8. (7.5, 6.5)
9. (2, 3.5)
10. (4, 3.5)
11. (5, 4)
12. (3, 8.5)