



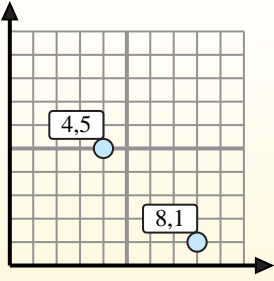
Find the midpoint of the set of coordinates.

Midpoint Formula

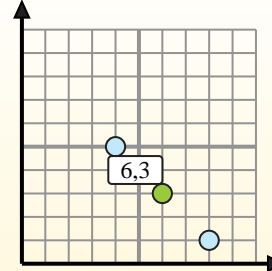
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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, 3) & (4, 8)

2) (4, 2) & (0, 3)

3) (0, 4) & (8, 9)

4) (7, 3) & (5, 3)

5) (9, 7) & (9, 1)

6) (10, 0) & (5, 5)

7) (6, 4) & (6, 0)

8) (5, 0) & (3, 10)

9) (0, 1) & (4, 3)

10) (7, 8) & (5, 0)

11) (3, 5) & (3, 0)

12) (9, 3) & (5, 0)

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



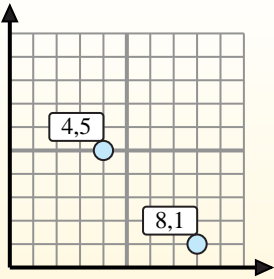
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Midpoint Formula

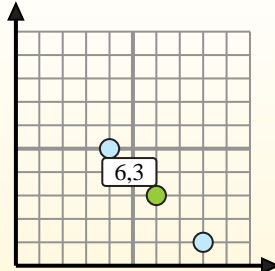
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To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

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



The midpoint is at (6,3).



Answers

1) $(6, 3) \& (4, 8) \left(\frac{6+4}{2}, \frac{3+8}{2} \right) = (5, 5.5)$

2) $(4, 2) \& (0, 3) \left(\frac{4+0}{2}, \frac{2+3}{2} \right) = (2, 2.5)$

3) $(0, 4) \& (8, 9) \left(\frac{0+8}{2}, \frac{4+9}{2} \right) = (4, 6.5)$

4) $(7, 3) \& (5, 3) \left(\frac{7+5}{2}, \frac{3+3}{2} \right) = (6, 3)$

5) $(9, 7) \& (9, 1) \left(\frac{9+9}{2}, \frac{7+1}{2} \right) = (9, 4)$

6) $(10, 0) \& (5, 5) \left(\frac{10+5}{2}, \frac{0+5}{2} \right) = (7.5, 2.5)$

7) $(6, 4) \& (6, 0) \left(\frac{6+6}{2}, \frac{4+0}{2} \right) = (6, 2)$

8) $(5, 0) \& (3, 10) \left(\frac{5+3}{2}, \frac{0+10}{2} \right) = (4, 5)$

9) $(0, 1) \& (4, 3) \left(\frac{0+4}{2}, \frac{1+3}{2} \right) = (2, 2)$

10) $(7, 8) \& (5, 0) \left(\frac{7+5}{2}, \frac{8+0}{2} \right) = (6, 4)$

11) $(3, 5) \& (3, 0) \left(\frac{3+3}{2}, \frac{5+0}{2} \right) = (3, 2.5)$

12) $(9, 3) \& (5, 0) \left(\frac{9+5}{2}, \frac{3+0}{2} \right) = (7, 1.5)$

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