



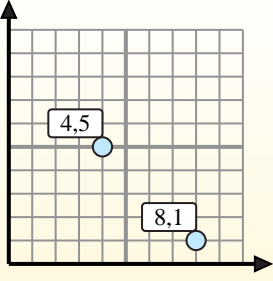
Find the midpoint of the set of coordinates.

Midpoint Formula

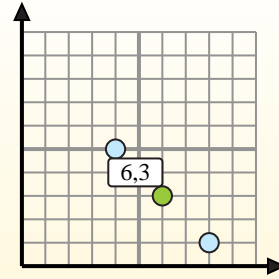
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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Find the midpoint of the set of coordinates.

Midpoint Formula

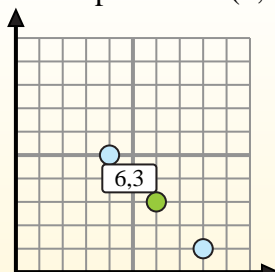
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) $(4, 6) \& (5, 4) \left(\frac{4+5}{2}, \frac{6+4}{2} \right) = (4.5, 5)$
- 2) $(8, 4) \& (10, 10) \left(\frac{8+10}{2}, \frac{4+10}{2} \right) = (9, 7)$
- 3) $(6, 10) \& (0, 0) \left(\frac{6+0}{2}, \frac{10+0}{2} \right) = (3, 5)$
- 4) $(0, 6) \& (1, 10) \left(\frac{0+1}{2}, \frac{6+10}{2} \right) = (0.5, 8)$
- 5) $(0, 5) \& (6, 2) \left(\frac{0+6}{2}, \frac{5+2}{2} \right) = (3, 3.5)$
- 6) $(3, 5) \& (8, 1) \left(\frac{3+8}{2}, \frac{5+1}{2} \right) = (5.5, 3)$
- 7) $(2, 1) \& (3, 7) \left(\frac{2+3}{2}, \frac{1+7}{2} \right) = (2.5, 4)$
- 8) $(9, 4) \& (9, 4) \left(\frac{9+9}{2}, \frac{4+4}{2} \right) = (9, 4)$
- 9) $(1, 1) \& (9, 10) \left(\frac{1+9}{2}, \frac{1+10}{2} \right) = (5, 5.5)$
- 10) $(3, 3) \& (0, 6) \left(\frac{3+0}{2}, \frac{3+6}{2} \right) = (1.5, 4.5)$
- 11) $(0, 0) \& (0, 0) \left(\frac{0+0}{2}, \frac{0+0}{2} \right) = (0, 0)$
- 12) $(0, 8) \& (10, 7) \left(\frac{0+10}{2}, \frac{8+7}{2} \right) = (5, 7.5)$

1. (4.5, 5)
2. (9, 7)
3. (3, 5)
4. (0.5, 8)
5. (3, 3.5)
6. (5.5, 3)
7. (2.5, 4)
8. (9, 4)
9. (5, 5.5)
10. (1.5, 4.5)
11. (0, 0)
12. (5, 7.5)



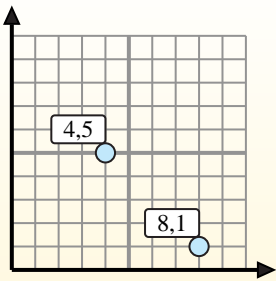
Find the midpoint of the set of coordinates.

Midpoint Formula

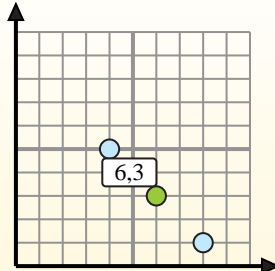
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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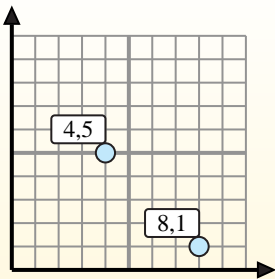
Find the midpoint of the set of coordinates.

Midpoint Formula

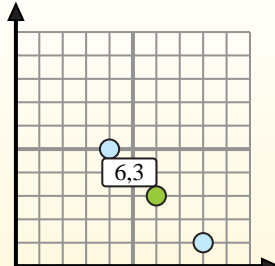
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



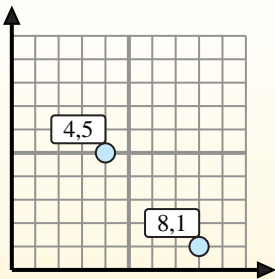
Find the midpoint of the set of coordinates.

Midpoint Formula

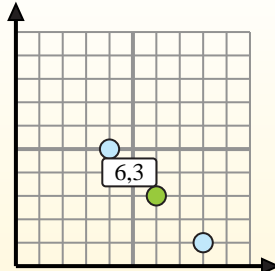
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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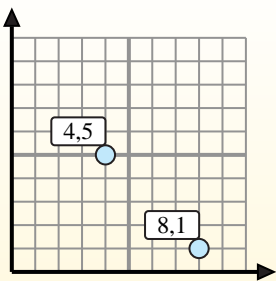
Find the midpoint of the set of coordinates.

Midpoint Formula

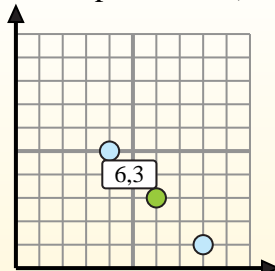
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) $(7, 10) \& (1, 8) \left(\frac{7+1}{2}, \frac{10+8}{2} \right) = (4, 9)$

2) $(2, 10) \& (2, 9) \left(\frac{2+2}{2}, \frac{10+9}{2} \right) = (2, 9.5)$

3) $(5, 4) \& (1, 7) \left(\frac{5+1}{2}, \frac{4+7}{2} \right) = (3, 5.5)$

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

5) $(2, 10) \& (0, 4) \left(\frac{2+0}{2}, \frac{10+4}{2} \right) = (1, 7)$

6) $(7, 7) \& (2, 10) \left(\frac{7+2}{2}, \frac{7+10}{2} \right) = (4.5, 8.5)$

7) $(1, 6) \& (4, 8) \left(\frac{1+4}{2}, \frac{6+8}{2} \right) = (2.5, 7)$

8) $(9, 7) \& (1, 5) \left(\frac{9+1}{2}, \frac{7+5}{2} \right) = (5, 6)$

9) $(2, 5) \& (1, 8) \left(\frac{2+1}{2}, \frac{5+8}{2} \right) = (1.5, 6.5)$

10) $(0, 10) \& (6, 1) \left(\frac{0+6}{2}, \frac{10+1}{2} \right) = (3, 5.5)$

11) $(9, 9) \& (0, 7) \left(\frac{9+0}{2}, \frac{9+7}{2} \right) = (4.5, 8)$

12) $(5, 4) \& (2, 8) \left(\frac{5+2}{2}, \frac{4+8}{2} \right) = (3.5, 6)$

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



Find the midpoint of the set of coordinates.

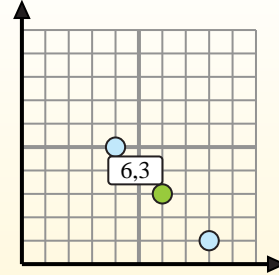
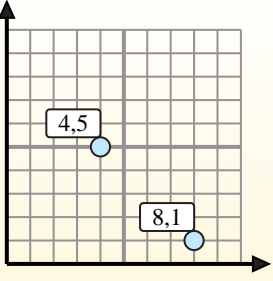
Midpoint Formula

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

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

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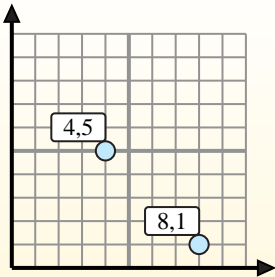
Find the midpoint of the set of coordinates.

Midpoint Formula

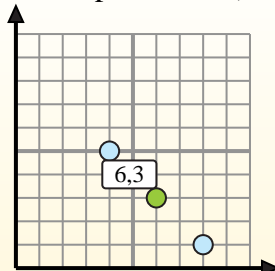
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



Find the midpoint of the set of coordinates.

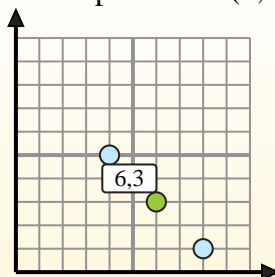
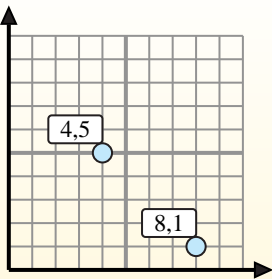
Midpoint Formula

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

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)

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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) $(6, 2) \& (2, 3) \left(\frac{6+2}{2}, \frac{2+3}{2} \right) = (4, 2.5)$
- 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)



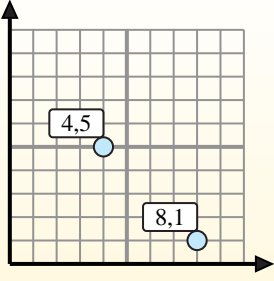
Find the midpoint of the set of coordinates.

Midpoint Formula

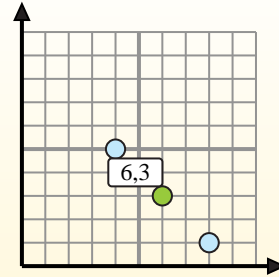
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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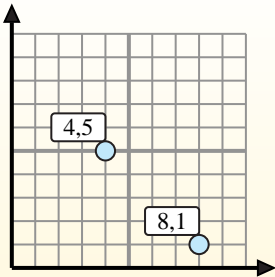
Find the midpoint of the set of coordinates.

Midpoint Formula

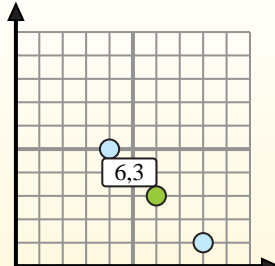
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) $(4, 10) \& (4, 1) \left(\frac{4+4}{2}, \frac{10+1}{2} \right) = (4, 5.5)$

2) $(10, 6) \& (5, 9) \left(\frac{10+5}{2}, \frac{6+9}{2} \right) = (7.5, 7.5)$

3) $(9, 10) \& (7, 0) \left(\frac{9+7}{2}, \frac{10+0}{2} \right) = (8, 5)$

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

5) $(3, 9) \& (9, 3) \left(\frac{3+9}{2}, \frac{9+3}{2} \right) = (6, 6)$

6) $(2, 3) \& (4, 2) \left(\frac{2+4}{2}, \frac{3+2}{2} \right) = (3, 2.5)$

7) $(5, 0) \& (8, 8) \left(\frac{5+8}{2}, \frac{0+8}{2} \right) = (6.5, 4)$

8) $(1, 9) \& (2, 5) \left(\frac{1+2}{2}, \frac{9+5}{2} \right) = (1.5, 7)$

9) $(2, 4) \& (5, 10) \left(\frac{2+5}{2}, \frac{4+10}{2} \right) = (3.5, 7)$

10) $(4, 1) \& (2, 10) \left(\frac{4+2}{2}, \frac{1+10}{2} \right) = (3, 5.5)$

11) $(1, 4) \& (6, 5) \left(\frac{1+6}{2}, \frac{4+5}{2} \right) = (3.5, 4.5)$

12) $(10, 10) \& (1, 1) \left(\frac{10+1}{2}, \frac{10+1}{2} \right) = (5.5, 5.5)$

1. (4, 5.5)

2. (7.5, 7.5)

3. (8, 5)

4. (3, 3)

5. (6, 6)

6. (3, 2.5)

7. (6.5, 4)

8. (1.5, 7)

9. (3.5, 7)

10. (3, 5.5)

11. (3.5, 4.5)

12. (5.5, 5.5)



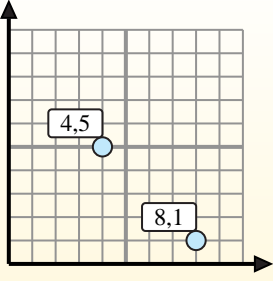
Find the midpoint of the set of coordinates.

Midpoint Formula

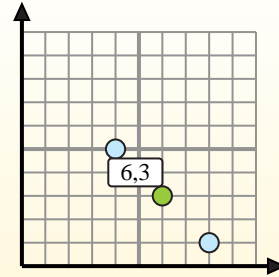
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. _____
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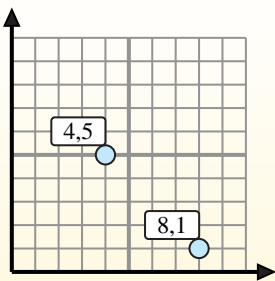
Find the midpoint of the set of coordinates.

Midpoint Formula

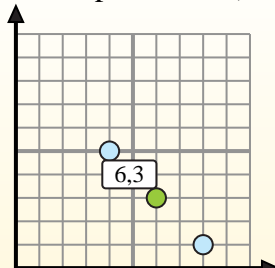
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



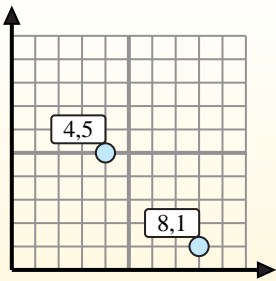
Find the midpoint of the set of coordinates.

Midpoint Formula

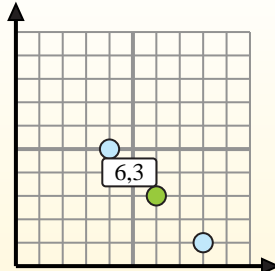
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) (8, 6) & (3, 10)

2) (8, 7) & (8, 5)

3) (2, 5) & (2, 6)

4) (10, 7) & (3, 0)

5) (8, 10) & (7, 3)

6) (3, 7) & (10, 0)

7) (1, 6) & (10, 3)

8) (1, 1) & (1, 9)

9) (3, 4) & (7, 9)

10) (1, 0) & (2, 1)

11) (4, 8) & (10, 10)

12) (2, 2) & (3, 8)

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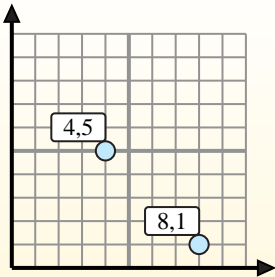
Find the midpoint of the set of coordinates.

Midpoint Formula

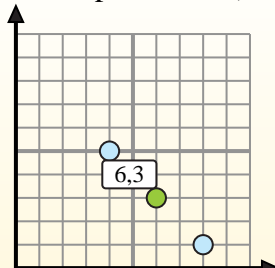
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) $(8, 6) \& (3, 10) \left(\frac{8+3}{2}, \frac{6+10}{2} \right) = (5.5, 8)$

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

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

4) $(10, 7) \& (3, 0) \left(\frac{10+3}{2}, \frac{7+0}{2} \right) = (6.5, 3.5)$

5) $(8, 10) \& (7, 3) \left(\frac{8+7}{2}, \frac{10+3}{2} \right) = (7.5, 6.5)$

6) $(3, 7) \& (10, 0) \left(\frac{3+10}{2}, \frac{7+0}{2} \right) = (6.5, 3.5)$

7) $(1, 6) \& (10, 3) \left(\frac{1+10}{2}, \frac{6+3}{2} \right) = (5.5, 4.5)$

8) $(1, 1) \& (1, 9) \left(\frac{1+1}{2}, \frac{1+9}{2} \right) = (1, 5)$

9) $(3, 4) \& (7, 9) \left(\frac{3+7}{2}, \frac{4+9}{2} \right) = (5, 6.5)$

10) $(1, 0) \& (2, 1) \left(\frac{1+2}{2}, \frac{0+1}{2} \right) = (1.5, 0.5)$

11) $(4, 8) \& (10, 10) \left(\frac{4+10}{2}, \frac{8+10}{2} \right) = (7, 9)$

12) $(2, 2) \& (3, 8) \left(\frac{2+3}{2}, \frac{2+8}{2} \right) = (2.5, 5)$

1. (5.5, 8)

2. (8, 6)

3. (2, 5.5)

4. (6.5, 3.5)

5. (7.5, 6.5)

6. (6.5, 3.5)

7. (5.5, 4.5)

8. (1, 5)

9. (5, 6.5)

10. (1.5, 0.5)

11. (7, 9)

12. (2.5, 5)



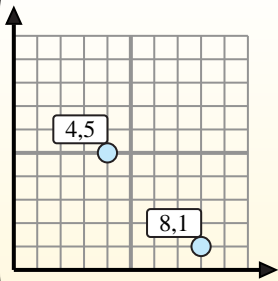
Find the midpoint of the set of coordinates.

Midpoint Formula

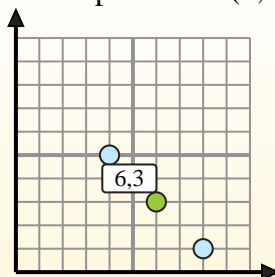
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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)

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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) $(0, 0) \& (6, 3) \left(\frac{0+6}{2}, \frac{0+3}{2} \right) = (3, 1.5)$
- 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)**



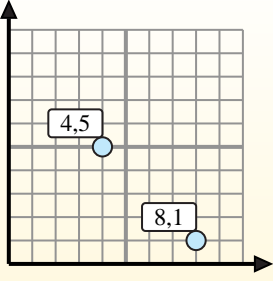
Find the midpoint of the set of coordinates.

Midpoint Formula

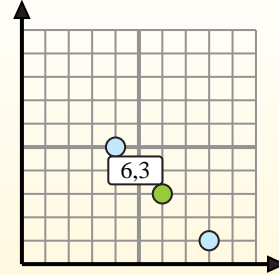
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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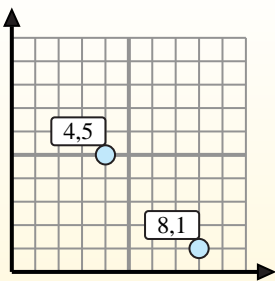
Find the midpoint of the set of coordinates.

Midpoint Formula

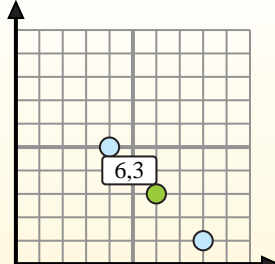
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

1. **(8, 4.5)**
2. **(3, 9)**
3. **(5.5, 7.5)**
4. **(7, 6)**
5. **(5, 0)**
6. **(4, 6)**
7. **(5.5, 6)**
8. **(8.5, 2.5)**
9. **(4, 2.5)**
10. **(3, 4)**
11. **(8, 2)**
12. **(5, 7)**