



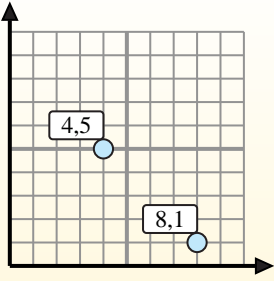
Find the midpoint of the set of coordinates.

Midpoint Formula

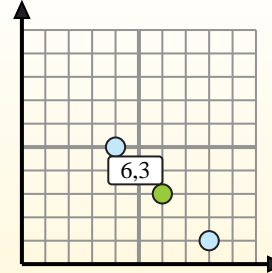
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



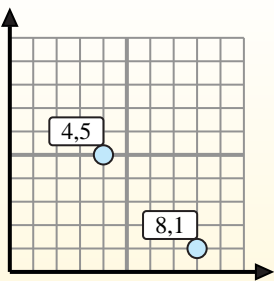
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$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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