



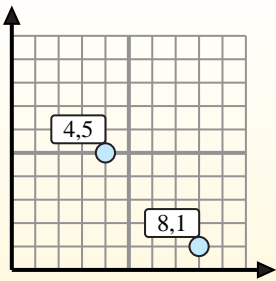
Find the midpoint of the set of coordinates.

Midpoint Formula

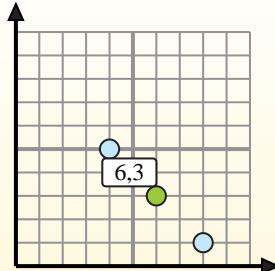
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



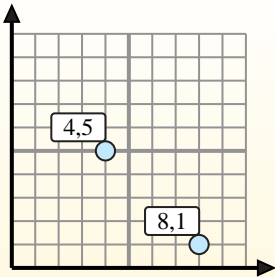
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Midpoint Formula

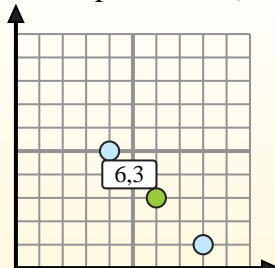
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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