



Find the midpoint of the set of coordinates.

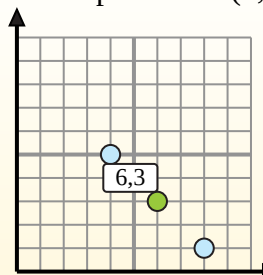
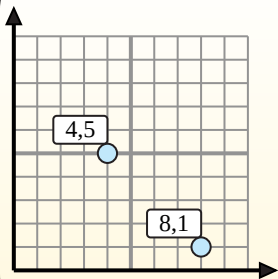
Midpoint Formula

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

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) $(7, 4) \& (8, 5)$

2) $(3, 1) \& (9, 2)$

3) $(6, 10) \& (0, 5)$

4) $(9, 5) \& (8, 2)$

5) $(2, 5) \& (2, 1)$

6) $(0, 5) \& (8, 10)$

7) $(8, 4) \& (6, 4)$

8) $(0, 8) \& (1, 10)$

9) $(1, 0) \& (6, 1)$

10) $(6, 3) \& (6, 2)$

1. _____
2. _____
3. _____
4. _____
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6. _____
7. _____
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10. _____
11. _____
12. _____



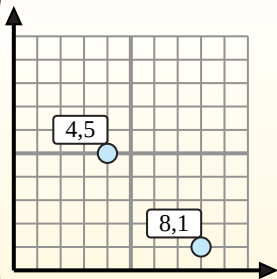
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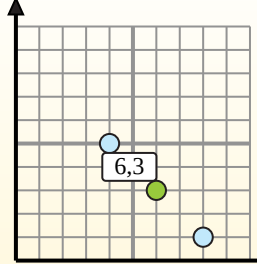
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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).



1) $(7, 4) \& (8, 5) \quad \left(\frac{7+8}{2}, \frac{4+5}{2} \right) = (7.5, 4.5)$

2) $(3, 1) \& (9, 2) \quad \left(\frac{3+9}{2}, \frac{1+2}{2} \right) = (6, 1.5)$

3) $(6, 10) \& (0, 5) \quad \left(\frac{6+0}{2}, \frac{10+5}{2} \right) = (3, 7.5)$

4) $(9, 5) \& (8, 2) \quad \left(\frac{9+8}{2}, \frac{5+2}{2} \right) = (8.5, 3.5)$

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

6) $(0, 5) \& (8, 10) \quad \left(\frac{0+8}{2}, \frac{5+10}{2} \right) = (4, 7.5)$

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

8) $(0, 8) \& (1, 10) \quad \left(\frac{0+1}{2}, \frac{8+10}{2} \right) = (0.5, 9)$

9) $(1, 0) \& (6, 1) \quad \left(\frac{1+6}{2}, \frac{0+1}{2} \right) = (3.5, 0.5)$

10) $(6, 3) \& (6, 2) \quad \left(\frac{6+6}{2}, \frac{3+2}{2} \right) = (6, 2.5)$

Answers

1. **(7.5, 4.5)**

2. **(6, 1.5)**

3. **(3, 7.5)**

4. **(8.5, 3.5)**

5. **(2, 3)**

6. **(4, 7.5)**

7. **(7, 4)**

8. **(0.5, 9)**

9. **(3.5, 0.5)**

10. **(6, 2.5)**

11. **(3.5, 1.5)**

12. **(5, 8.5)**