



Find the midpoint of the set of coordinates.

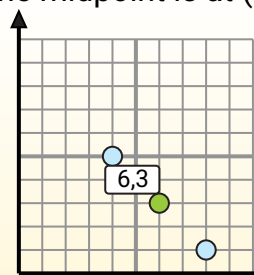
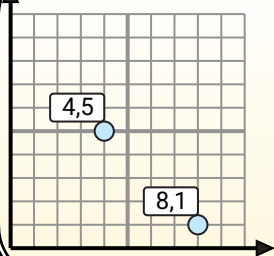
Midpoint Formula

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

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

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



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) $(1, 9) \& (0, 10) \left(\frac{1+0}{2}, \frac{9+10}{2} \right) = (0.5, 9.5)$

2) $(3, 5) \& (9, 6) \left(\frac{3+9}{2}, \frac{5+6}{2} \right) = (6, 5.5)$

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

4) $(8, 1) \& (7, 9) \left(\frac{8+7}{2}, \frac{1+9}{2} \right) = (7.5, 5)$

5) $(5, 0) \& (2, 1) \left(\frac{5+2}{2}, \frac{0+1}{2} \right) = (3.5, 0.5)$

6) $(2, 7) \& (3, 3) \left(\frac{2+3}{2}, \frac{7+3}{2} \right) = (2.5, 5)$

7) $(1, 7) \& (9, 3) \left(\frac{1+9}{2}, \frac{7+3}{2} \right) = (5, 5)$

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

9) $(8, 9) \& (8, 2) \left(\frac{8+8}{2}, \frac{9+2}{2} \right) = (8, 5.5)$

10) $(3, 1) \& (4, 2) \left(\frac{3+4}{2}, \frac{1+2}{2} \right) = (3.5, 1.5)$

11) $(5, 8) \& (9, 3) \left(\frac{5+9}{2}, \frac{8+3}{2} \right) = (7, 5.5)$

12) $(0, 10) \& (2, 0) \left(\frac{0+2}{2}, \frac{10+0}{2} \right) = (1, 5)$

1. **(0.5, 9.5)**

2. **(6, 5.5)**

3. **(6.5, 5)**

4. **(7.5, 5)**

5. **(3.5, 0.5)**

6. **(2.5, 5)**

7. **(5, 5)**

8. **(2.5, 4)**

9. **(8, 5.5)**

10. **(3.5, 1.5)**

11. **(7, 5.5)**

12. **(1, 5)**