



Find the midpoint of the set of coordinates.

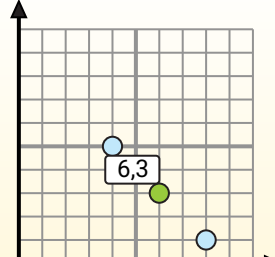
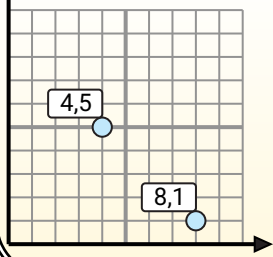
Midpoint Formula

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

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

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) $(6, 0) \& (8, 1) \left(\frac{6+8}{2}, \frac{0+1}{2} \right) = (7, 0.5)$
- 2) $(3, 9) \& (0, 1) \left(\frac{3+0}{2}, \frac{9+1}{2} \right) = (1.5, 5)$
- 3) $(2, 8) \& (5, 3) \left(\frac{2+5}{2}, \frac{8+3}{2} \right) = (3.5, 5.5)$
- 4) $(4, 7) \& (6, 1) \left(\frac{4+6}{2}, \frac{7+1}{2} \right) = (5, 4)$
- 5) $(8, 2) \& (0, 6) \left(\frac{8+0}{2}, \frac{2+6}{2} \right) = (4, 4)$
- 6) $(7, 10) \& (9, 5) \left(\frac{7+9}{2}, \frac{10+5}{2} \right) = (8, 7.5)$
- 7) $(7, 8) \& (0, 3) \left(\frac{7+0}{2}, \frac{8+3}{2} \right) = (3.5, 5.5)$
- 8) $(9, 2) \& (10, 4) \left(\frac{9+10}{2}, \frac{2+4}{2} \right) = (9.5, 3)$
- 9) $(5, 0) \& (9, 10) \left(\frac{5+9}{2}, \frac{0+10}{2} \right) = (7, 5)$
- 10) $(6, 8) \& (7, 7) \left(\frac{6+7}{2}, \frac{8+7}{2} \right) = (6.5, 7.5)$
- 11) $(0, 5) \& (10, 1) \left(\frac{0+10}{2}, \frac{5+1}{2} \right) = (5, 3)$
- 12) $(9, 1) \& (3, 3) \left(\frac{9+3}{2}, \frac{1+3}{2} \right) = (6, 2)$

1. **(7, 0.5)**
2. **(1.5, 5)**
3. **(3.5, 5.5)**
4. **(5, 4)**
5. **(4, 4)**
6. **(8, 7.5)**
7. **(3.5, 5.5)**
8. **(9.5, 3)**
9. **(7, 5)**
10. **(6.5, 7.5)**
11. **(5, 3)**
12. **(6, 2)**