



Find the midpoint of the set of coordinates.

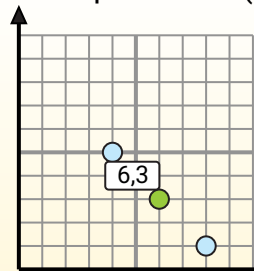
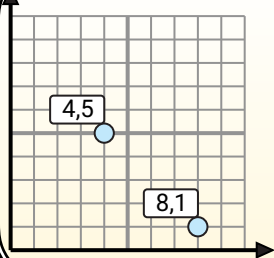
Midpoint Formula

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

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

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



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Answers

- 1) $(0, 5) \& (10, 9) \left(\frac{0+10}{2}, \frac{5+9}{2} \right) = (5, 7)$
- 2) $(8, 2) \& (10, 1) \left(\frac{8+10}{2}, \frac{2+1}{2} \right) = (9, 1.5)$
- 3) $(4, 3) \& (6, 5) \left(\frac{4+6}{2}, \frac{3+5}{2} \right) = (5, 4)$
- 4) $(4, 0) \& (8, 6) \left(\frac{4+8}{2}, \frac{0+6}{2} \right) = (6, 3)$
- 5) $(3, 4) \& (0, 7) \left(\frac{3+0}{2}, \frac{4+7}{2} \right) = (1.5, 5.5)$
- 6) $(6, 7) \& (3, 1) \left(\frac{6+3}{2}, \frac{7+1}{2} \right) = (4.5, 4)$
- 7) $(10, 9) \& (5, 4) \left(\frac{10+5}{2}, \frac{9+4}{2} \right) = (7.5, 6.5)$
- 8) $(5, 10) \& (3, 0) \left(\frac{5+3}{2}, \frac{10+0}{2} \right) = (4, 5)$
- 9) $(7, 3) \& (9, 8) \left(\frac{7+9}{2}, \frac{3+8}{2} \right) = (8, 5.5)$
- 10) $(6, 1) \& (5, 8) \left(\frac{6+5}{2}, \frac{1+8}{2} \right) = (5.5, 4.5)$
- 11) $(2, 6) \& (5, 2) \left(\frac{2+5}{2}, \frac{6+2}{2} \right) = (3.5, 4)$
- 12) $(8, 9) \& (0, 3) \left(\frac{8+0}{2}, \frac{9+3}{2} \right) = (4, 6)$

1. **(5, 7)**
2. **(9, 1.5)**
3. **(5, 4)**
4. **(6, 3)**
5. **(1.5, 5.5)**
6. **(4.5, 4)**
7. **(7.5, 6.5)**
8. **(4, 5)**
9. **(8, 5.5)**
10. **(5.5, 4.5)**
11. **(3.5, 4)**
12. **(4, 6)**