



Find the midpoint of the set of coordinates.

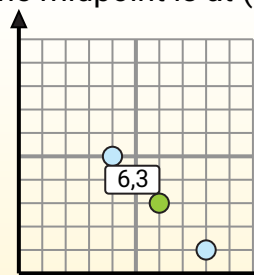
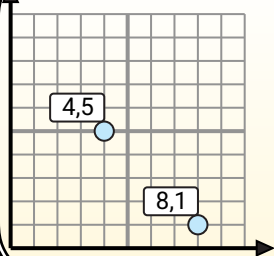
Midpoint Formula

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

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

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



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

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$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$

The midpoint is at (6,3)

- 1) (1, 6) & (3, 6) $(\frac{1+3}{2}, \frac{6+6}{2}) = (2, 6)$
- 2) (1, 3) & (6, 10) $(\frac{1+6}{2}, \frac{3+10}{2}) = (3.5, 6.5)$
- 3) (0, 4) & (6, 6) $(\frac{0+6}{2}, \frac{4+6}{2}) = (3, 5)$
- 4) (9, 3) & (1, 8) $(\frac{9+1}{2}, \frac{3+8}{2}) = (5, 5.5)$
- 5) (3, 9) & (4, 5) $(\frac{3+4}{2}, \frac{9+5}{2}) = (3.5, 7)$
- 6) (0, 10) & (9, 6) $(\frac{0+9}{2}, \frac{10+6}{2}) = (4.5, 8)$
- 7) (3, 5) & (2, 5) $(\frac{3+2}{2}, \frac{5+5}{2}) = (2.5, 5)$
- 8) (10, 8) & (9, 1) $(\frac{10+9}{2}, \frac{8+1}{2}) = (9.5, 4.5)$
- 9) (8, 9) & (0, 10) $(\frac{8+0}{2}, \frac{9+10}{2}) = (4, 9.5)$
- 10) (8, 0) & (4, 7) $(\frac{8+4}{2}, \frac{0+7}{2}) = (6, 3.5)$
- 11) (4, 6) & (0, 5) $(\frac{4+0}{2}, \frac{6+5}{2}) = (2, 5.5)$
- 12) (0, 7) & (6, 6) $(\frac{0+6}{2}, \frac{7+6}{2}) = (3, 6.5)$

Answers

1. **(2, 6)**
2. **(3.5, 6.5)**
3. **(3, 5)**
4. **(5, 5.5)**
5. **(3.5, 7)**
6. **(4.5, 8)**
7. **(2.5, 5)**
8. **(9.5, 4.5)**
9. **(4, 9.5)**
10. **(6, 3.5)**
11. **(2, 5.5)**
12. **(3, 6.5)**