



Find the midpoint of the set of coordinates.

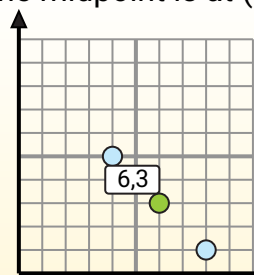
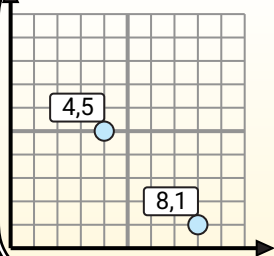
Midpoint Formula

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

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

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



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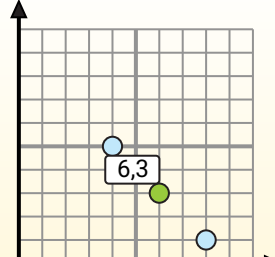
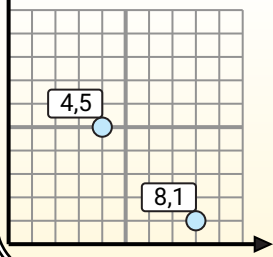
Midpoint Formula

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

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)



- 1) $(7, 3) \& (7, 1) \left(\frac{7+7}{2}, \frac{3+1}{2} \right) = (7, 2)$
- 2) $(4, 8) \& (3, 10) \left(\frac{4+3}{2}, \frac{8+10}{2} \right) = (3.5, 9)$
- 3) $(6, 6) \& (8, 9) \left(\frac{6+8}{2}, \frac{6+9}{2} \right) = (7, 7.5)$
- 4) $(3, 1) \& (9, 9) \left(\frac{3+9}{2}, \frac{1+9}{2} \right) = (6, 5)$
- 5) $(3, 7) \& (6, 9) \left(\frac{3+6}{2}, \frac{7+9}{2} \right) = (4.5, 8)$
- 6) $(0, 7) \& (0, 5) \left(\frac{0+0}{2}, \frac{7+5}{2} \right) = (0, 6)$
- 7) $(2, 1) \& (10, 10) \left(\frac{2+10}{2}, \frac{1+10}{2} \right) = (6, 5.5)$
- 8) $(9, 10) \& (3, 3) \left(\frac{9+3}{2}, \frac{10+3}{2} \right) = (6, 6.5)$
- 9) $(9, 9) \& (6, 7) \left(\frac{9+6}{2}, \frac{9+7}{2} \right) = (7.5, 8)$
- 10) $(8, 3) \& (2, 2) \left(\frac{8+2}{2}, \frac{3+2}{2} \right) = (5, 2.5)$
- 11) $(7, 7) \& (6, 9) \left(\frac{7+6}{2}, \frac{7+9}{2} \right) = (6.5, 8)$
- 12) $(6, 0) \& (7, 9) \left(\frac{6+7}{2}, \frac{0+9}{2} \right) = (6.5, 4.5)$

Answers

1. **(7, 2)**
2. **(3.5, 9)**
3. **(7, 7.5)**
4. **(6, 5)**
5. **(4.5, 8)**
6. **(0, 6)**
7. **(6, 5.5)**
8. **(6, 6.5)**
9. **(7.5, 8)**
10. **(5, 2.5)**
11. **(6.5, 8)**
12. **(6.5, 4.5)**