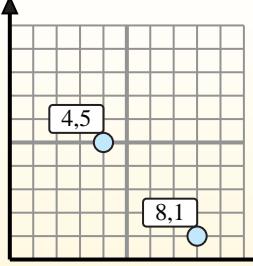




Finding Midpoint Based on Coordinates

Name: _____

Find the midpoint of the set of coordinates.



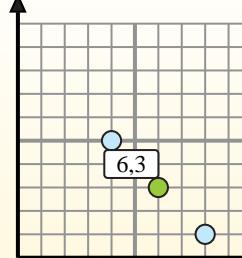
Midpoint Formula

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

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, 4) & (2, 7)

1. _____

2) (3, 1) & (4, 6)

2. _____

3) (8, 0) & (7, 5)

3. _____

4) (9, 3) & (1, 5)

4. _____

5) (2, 5) & (2, 2)

5. _____

6) (10, 1) & (2, 0)

6. _____

7) (8, 4) & (0, 5)

7. _____

8) (6, 8) & (8, 5)

8. _____

9) (5, 5) & (0, 4)

9. _____

10) (1, 10) & (4, 8)

10. _____

11) (6, 1) & (2, 5)

11. _____

12) (8, 4) & (3, 7)

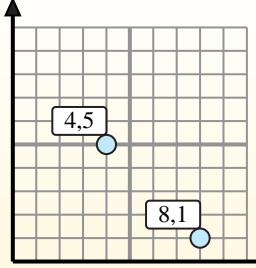
12. _____



Finding Midpoint Based on Coordinates

Name: **Answer Key**

Find the midpoint of the set of coordinates.



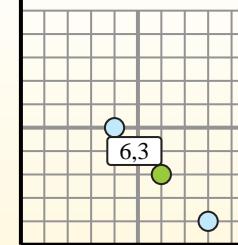
Midpoint Formula

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

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. (4.5, 5.5)

2. (3.5, 3.5)

3. (7.5, 2.5)

4. (5, 4)

5. (2, 3.5)

6. (6, 0.5)

7. (4, 4.5)

8. (7, 6.5)

9. (2.5, 4.5)

10. (2.5, 9)

11. (4, 3)

12. (5.5, 5.5)

1) $(7, 4) \& (2, 7) \quad \left(\frac{7+2}{2}, \frac{4+7}{2} \right) = (4.5, 5.5)$

2) $(3, 1) \& (4, 6) \quad \left(\frac{3+4}{2}, \frac{1+6}{2} \right) = (3.5, 3.5)$

3) $(8, 0) \& (7, 5) \quad \left(\frac{8+7}{2}, \frac{0+5}{2} \right) = (7.5, 2.5)$

4) $(9, 3) \& (1, 5) \quad \left(\frac{9+1}{2}, \frac{3+5}{2} \right) = (5, 4)$

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

6) $(10, 1) \& (2, 0) \quad \left(\frac{10+2}{2}, \frac{1+0}{2} \right) = (6, 0.5)$

7) $(8, 4) \& (0, 5) \quad \left(\frac{8+0}{2}, \frac{4+5}{2} \right) = (4, 4.5)$

8) $(6, 8) \& (8, 5) \quad \left(\frac{6+8}{2}, \frac{8+5}{2} \right) = (7, 6.5)$

9) $(5, 5) \& (0, 4) \quad \left(\frac{5+0}{2}, \frac{5+4}{2} \right) = (2.5, 4.5)$

10) $(1, 10) \& (4, 8) \quad \left(\frac{1+4}{2}, \frac{10+8}{2} \right) = (2.5, 9)$

11) $(6, 1) \& (2, 5) \quad \left(\frac{6+2}{2}, \frac{1+5}{2} \right) = (4, 3)$

12) $(8, 4) \& (3, 7) \quad \left(\frac{8+3}{2}, \frac{4+7}{2} \right) = (5.5, 5.5)$