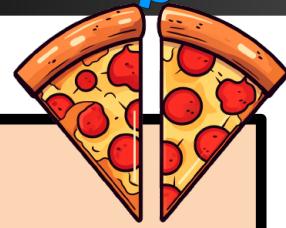


Name: _____

The Midpoint Formula



Formula Reference

$$m = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

Where m is the midpoint between points (x_1, y_1) and (x_2, y_2) .

Directions: Find the coordinates of the midpoint of the line that connects the given points.

1. (-10, 7) and (-2, 5)

7. (-2, 8) and (8, -1)

2. (0, 0) and (9, 7)

8. (-4, -5) and (8, 3)

3. (4, 3) and (-2, -8)

9. (-8, 4) and (-6, 12)

4. (-1, 7) and (19, 1)

10. (9, 12) and (-5, 2)

5. (-6, 8) and (5, -6)

11. (-9, 5) and (3, 1)

6. (4, -11) and (12, -8)

12. (-5, 4) and (11, 5)

ANSWER KEY

1. $(-10, 7)$ and $(-2, 5)$
 $(-6, 6)$

7. $(-2, 8)$ and $(8, -1)$
 $(3, 3.5)$

2. $(0, 0)$ and $(9, 7)$
 $(4.5, 3.5)$

8. $(-4, -5)$ and $(8, 3)$
 $(2, -1)$

3. $(4, 3)$ and $(-2, -8)$
 $(1, -2.5)$

9. $(-8, 4)$ and $(-6, 12)$
 $(-7, 8)$

4. $(-1, 7)$ and $(19, 1)$
 $(9, 4)$

10. $(9, 12)$ and $(-5, 2)$
 $(2, 7)$

5. $(-6, 8)$ and $(5, -6)$
 $(-0.5, 1)$

11. $(-9, 5)$ and $(3, 1)$
 $(-3, 3)$

6. $(4, -11)$ and $(12, -8)$
 $(8, -9.5)$

12. $(-5, 4)$ and $(11, 5)$
 $(3, 4.5)$