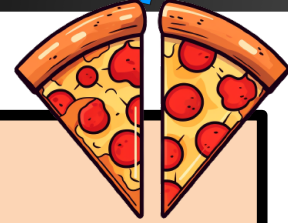


Name: _____



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 $(-2, 5)$
2. $(0, 0)$ and $(9, 7)$
3. $(4, 3)$ and $(-2, -8)$
4. $(-1, 7)$ and $(19, 1)$
5. $(-6, 8)$ and $(5, -6)$
6. $(4, -11)$ and $(12, -8)$
7. $(-2, 8)$ and $(8, -1)$
8. $(-4, -5)$ and $(8, 3)$
9. $(-8, 4)$ and $(-6, 12)$
10. $(9, 12)$ and $(-5, 2)$
11. $(-9, 5)$ and $(3, 1)$
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 $(11, 5)$
 $(3, 4.5)$