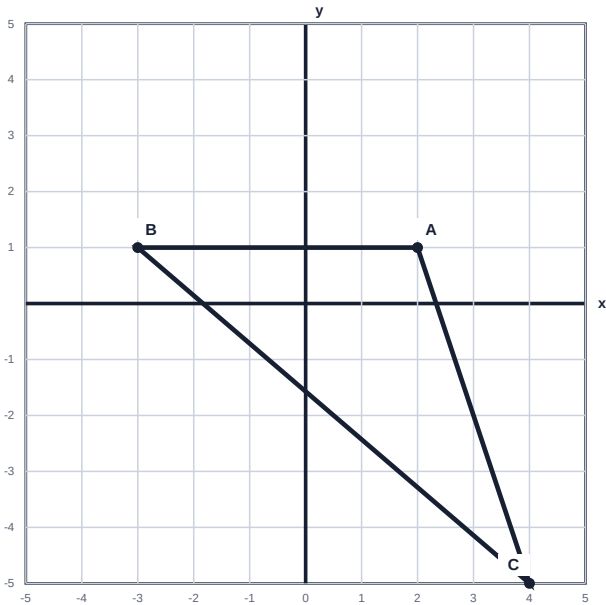


Centroid from a Graph

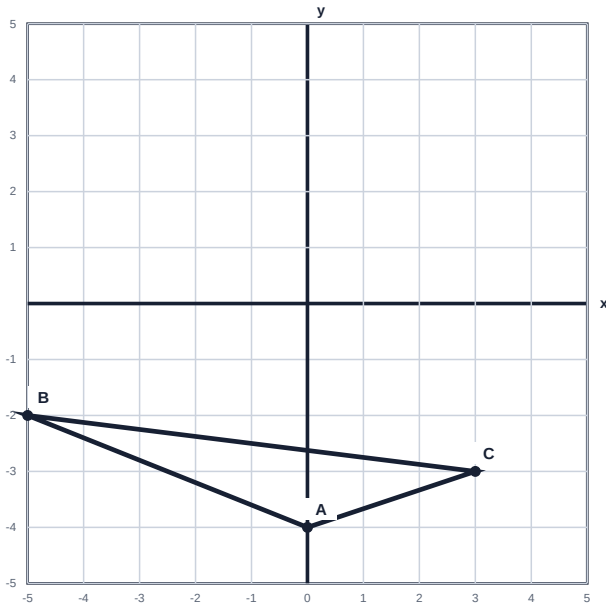
Read the coordinates of A, B, and C from the graph. Find the centroid G and give its exact coordinates.

1. Read A, B, and C from the graph and find centroid G.



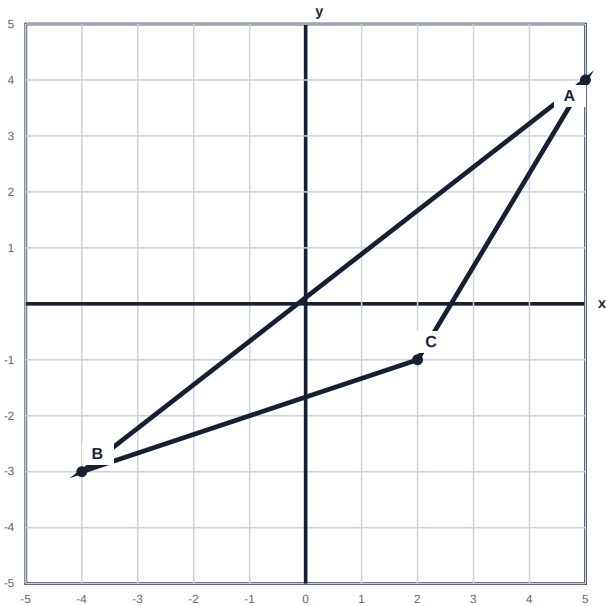
G = (\_\_\_\_\_, \_\_\_\_\_)

2. Read A, B, and C from the graph and find centroid G.



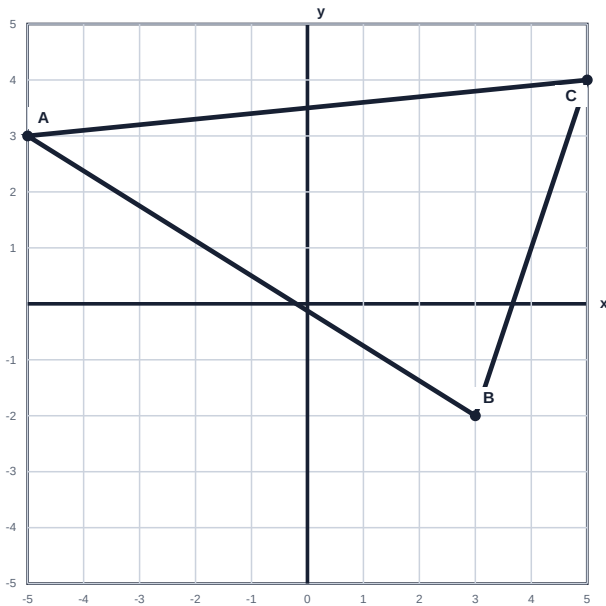
G = (\_\_\_\_\_, \_\_\_\_\_)

3. Read A, B, and C from the graph and find centroid G.



G = (\_\_\_\_\_, \_\_\_\_\_)

4. Read A, B, and C from the graph and find centroid G.

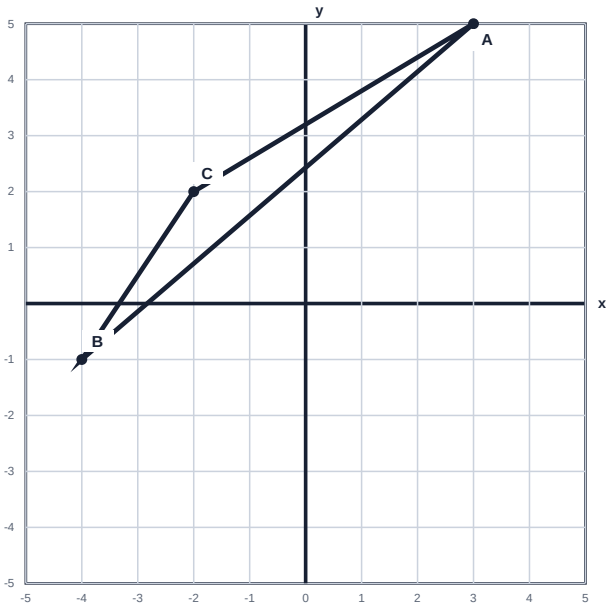


G = (\_\_\_\_\_, \_\_\_\_\_)

Centroid from a Graph

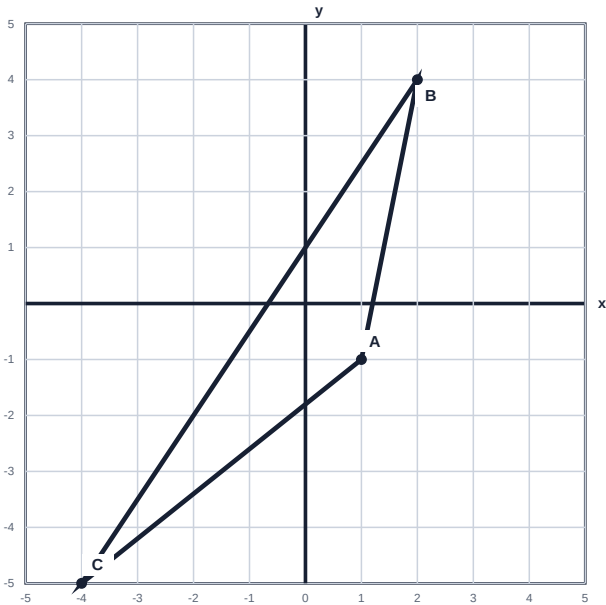
Read the coordinates of A, B, and C from the graph. Find the centroid G and give its exact coordinates.

5. Read A, B, and C from the graph and find centroid G.



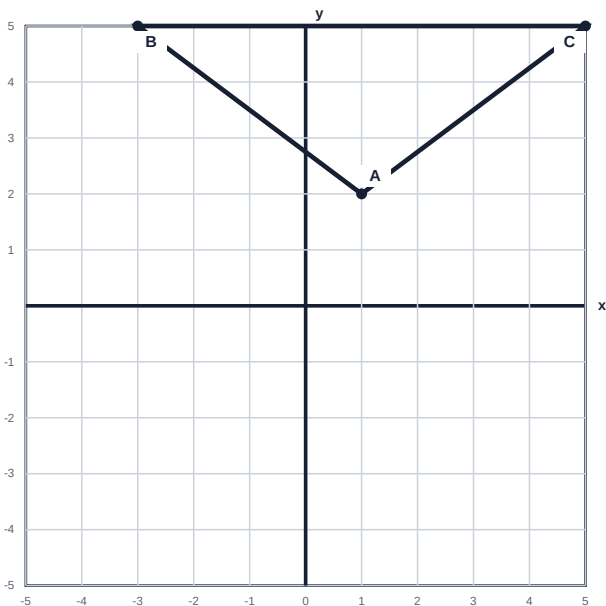
G = ( \_\_\_\_\_, \_\_\_\_\_ )

6. Read A, B, and C from the graph and find centroid G.



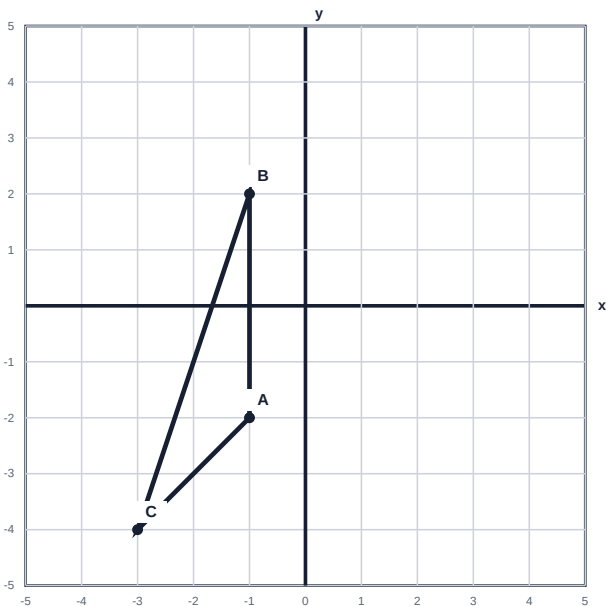
G = ( \_\_\_\_\_, \_\_\_\_\_ )

7. Read A, B, and C from the graph and find centroid G.



G = ( \_\_\_\_\_, \_\_\_\_\_ )

8. Read A, B, and C from the graph and find centroid G.



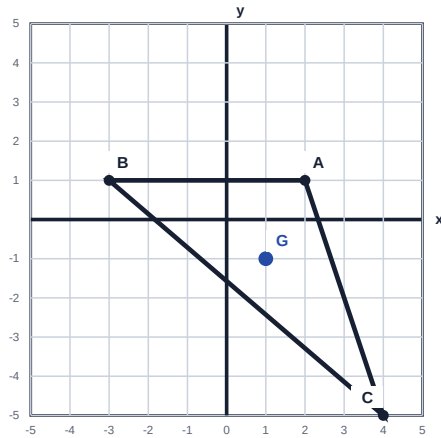
G = ( \_\_\_\_\_, \_\_\_\_\_ )

## Centroid from a Graph

## Worked Answer Key

Read the coordinates of A, B, and C from the graph. Find the centroid G and give its exact coordinates.

1. Read A, B, and C from the graph and find centroid G.

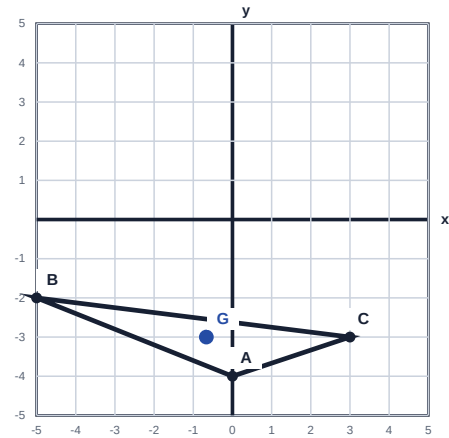


Vertices: A(2, 1), B(-3, 1), C(4, -5).

$$x_G = (2 + -3 + 4) / 3 = 3 / 3 = 1.$$

$$y_G = (1 + 1 + -5) / 3 = -3 / 3 = -1; \text{ therefore } G = (1, -1).$$

2. Read A, B, and C from the graph and find centroid G.

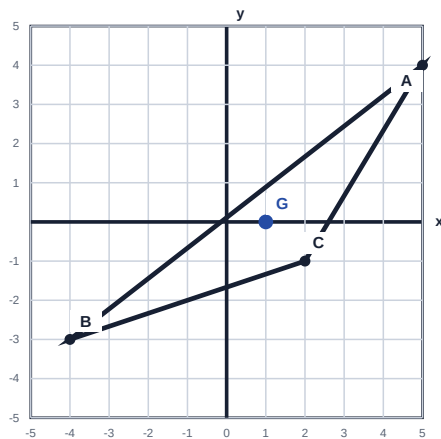


Vertices: A(0, -4), B(-5, -2), C(3, -3).

$$x_G = (0 + -5 + 3) / 3 = -2 / 3 = -2/3.$$

$$y_G = (-4 + -2 + -3) / 3 = -9 / 3 = -3; \text{ therefore } G = (-2/3, -3).$$

3. Read A, B, and C from the graph and find centroid G.

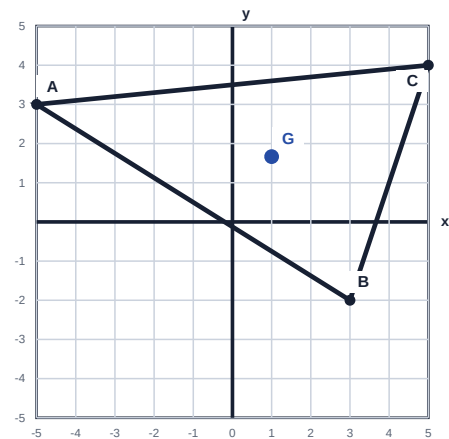


Vertices: A(5, 4), B(-4, -3), C(2, -1).

$$x_G = (5 + -4 + 2) / 3 = 3 / 3 = 1.$$

$$y_G = (4 + -3 + -1) / 3 = 0 / 3 = 0; \text{ therefore } G = (1, 0).$$

4. Read A, B, and C from the graph and find centroid G.



Vertices: A(-5, 3), B(3, -2), C(5, 4).

$$x_G = (-5 + 3 + 5) / 3 = 3 / 3 = 1.$$

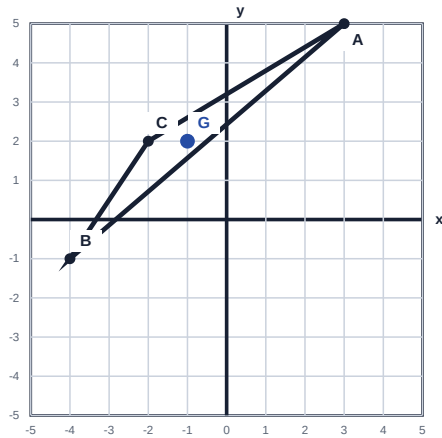
$$y_G = (3 + -2 + 4) / 3 = 5 / 3 = 5/3; \text{ therefore } G = (1, 5/3).$$

## Centroid from a Graph

## Worked Answer Key

Read the coordinates of A, B, and C from the graph. Find the centroid G and give its exact coordinates.

5. Read A, B, and C from the graph and find centroid G.

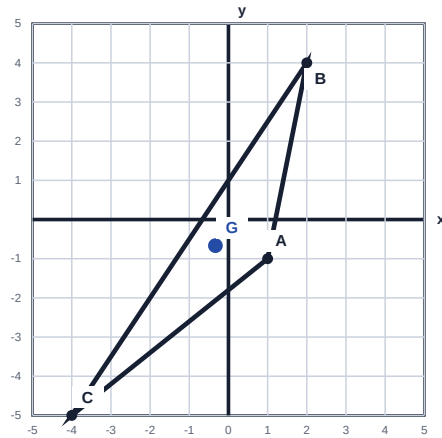


Vertices: A(3, 5), B(-4, -1), C(-2, 2).

$$x\_G = (3 + -4 + -2) / 3 = -3 / 3 = -1.$$

$$y\_G = (5 + -1 + 2) / 3 = 6 / 3 = 2; \text{ therefore } G = (-1, 2).$$

6. Read A, B, and C from the graph and find centroid G.

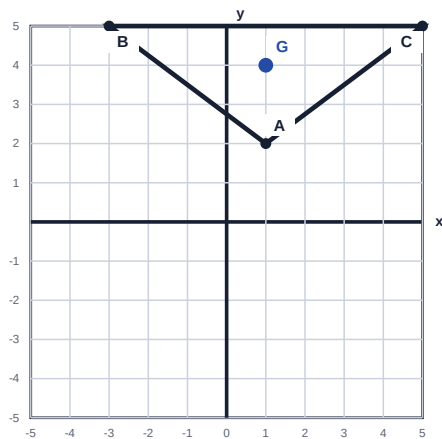


Vertices: A(1, -1), B(2, 4), C(-4, -5).

$$x\_G = (1 + 2 + -4) / 3 = -1 / 3 = -1/3.$$

$$y\_G = (-1 + 4 + -5) / 3 = -2 / 3 = -2/3; \text{ therefore } G = (-1/3, -2/3).$$

7. Read A, B, and C from the graph and find centroid G.

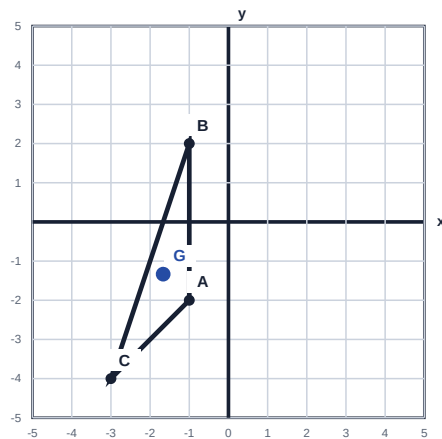


Vertices: A(1, 2), B(-3, 5), C(5, 5).

$$x\_G = (1 + -3 + 5) / 3 = 3 / 3 = 1.$$

$$y\_G = (2 + 5 + 5) / 3 = 12 / 3 = 4; \text{ therefore } G = (1, 4).$$

8. Read A, B, and C from the graph and find centroid G.



Vertices: A(-1, -2), B(-1, 2), C(-3, -4).

$$x\_G = (-1 + -1 + -3) / 3 = -5 / 3 = -5/3.$$

$$y\_G = (-2 + 2 + -4) / 3 = -4 / 3 = -4/3; \text{ therefore } G = (-5/3, -4/3).$$