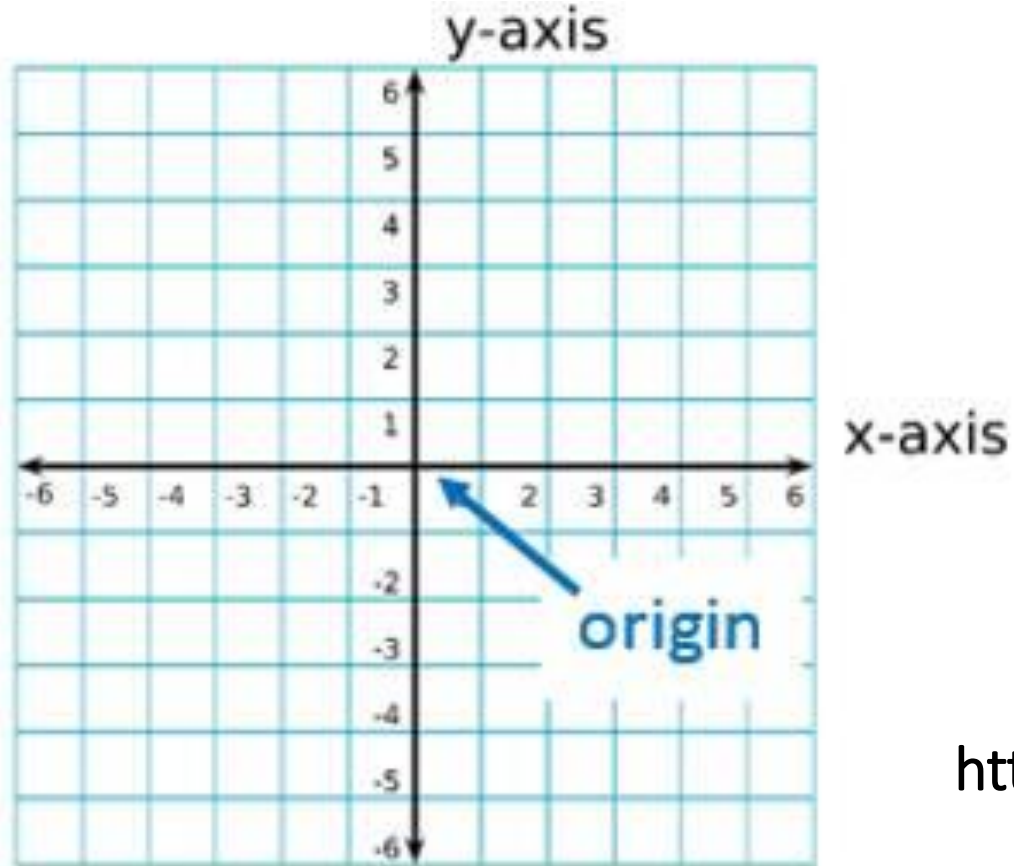


coordinate plane

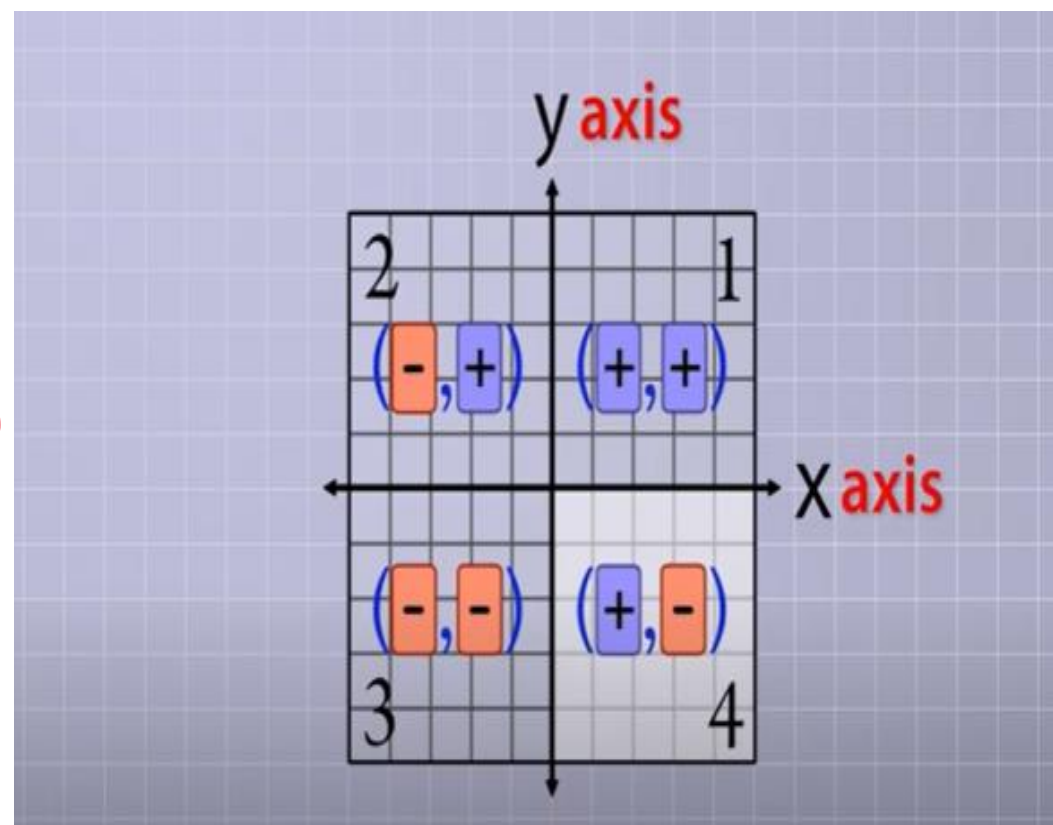
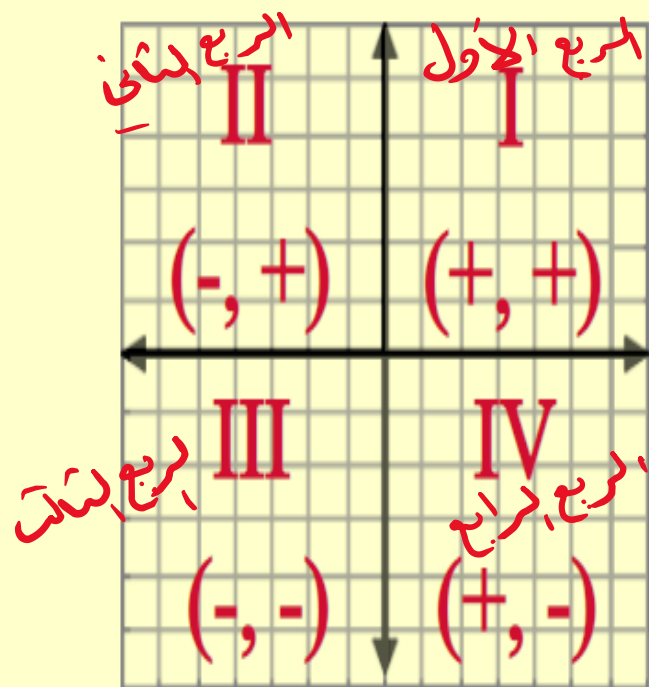
المستوى البياني (الإحداثي)



<https://www.youtube.com/watch?v=9Uc62CuQjc4>

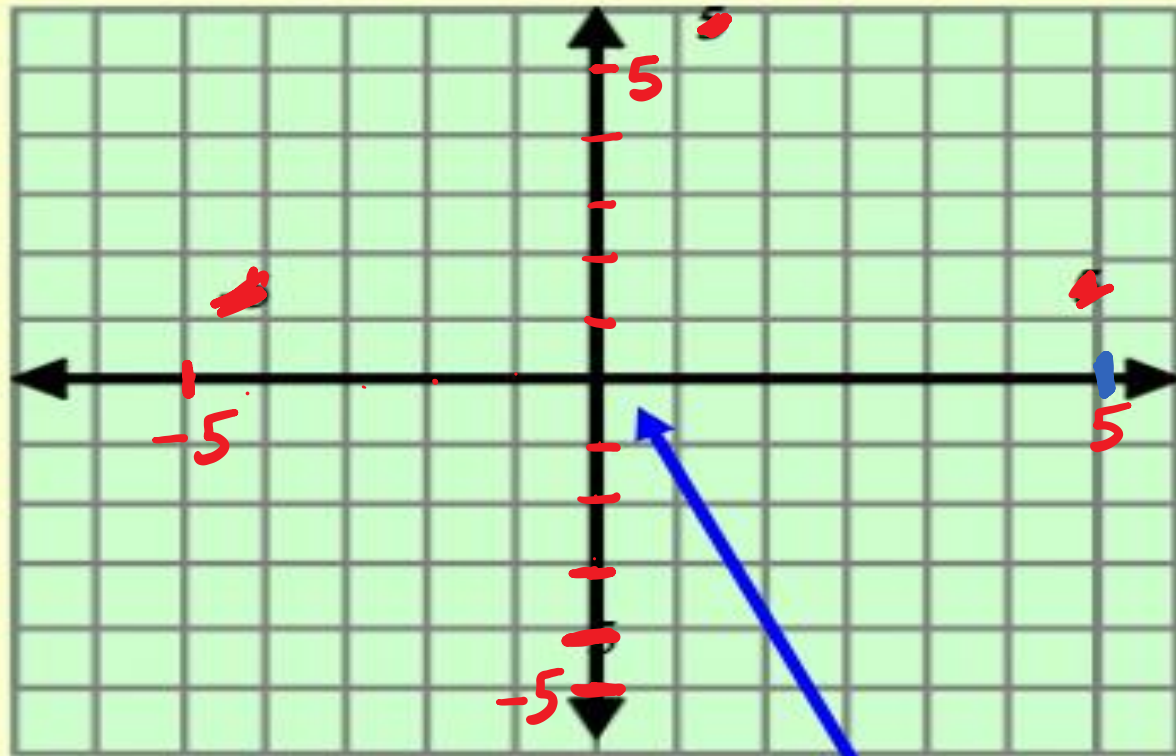
Teacher: Wisam Al – mashni

The x-axis and y-axis separate the coordinate plane into four regions, called **quadrants**. (أرباع)



Ordered pairs are used to locate points in a coordinate plane.

y-axis (vertical axis)



x-axis (horizontal axis)

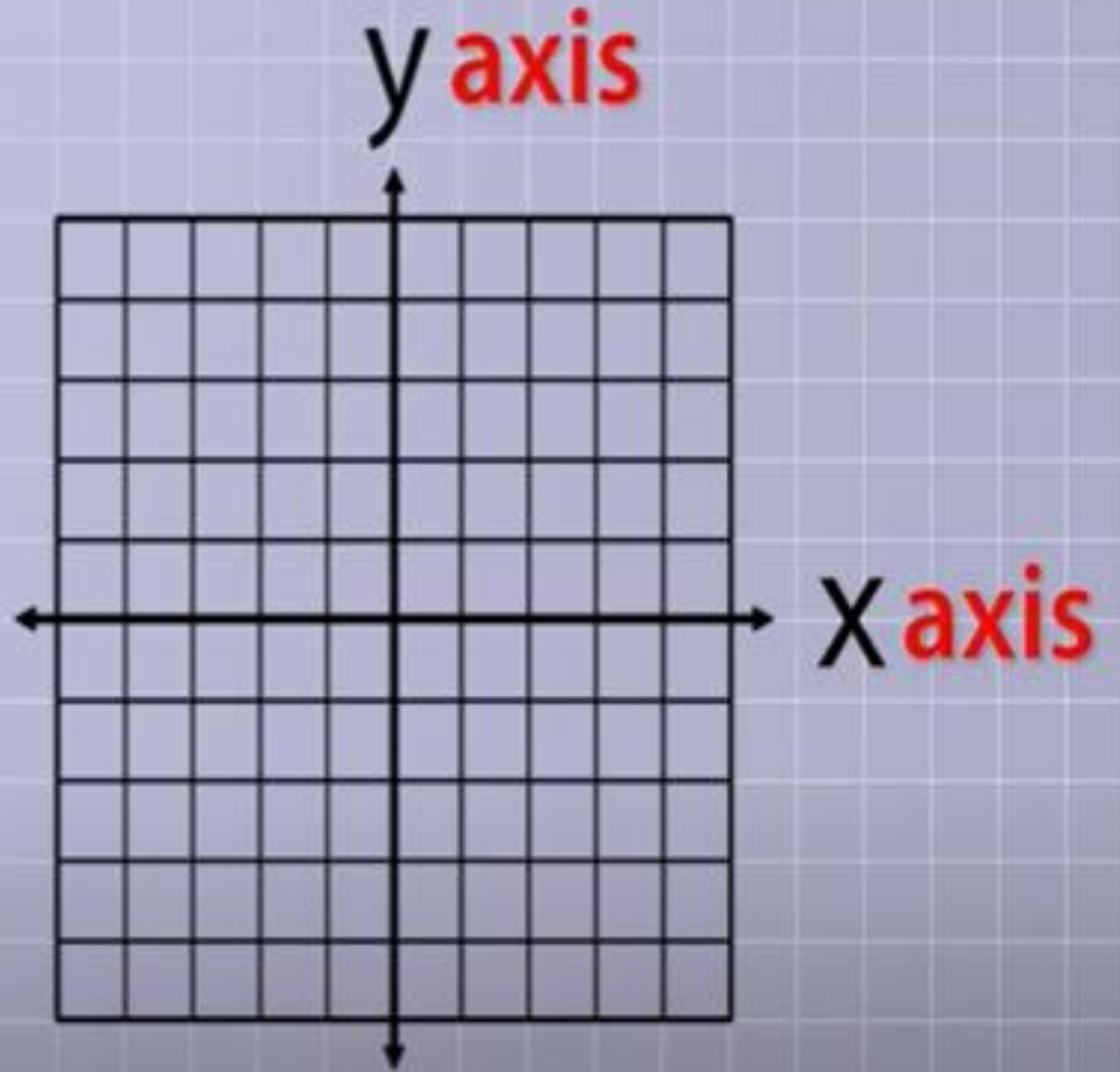
origin (0,0)

Coordinates

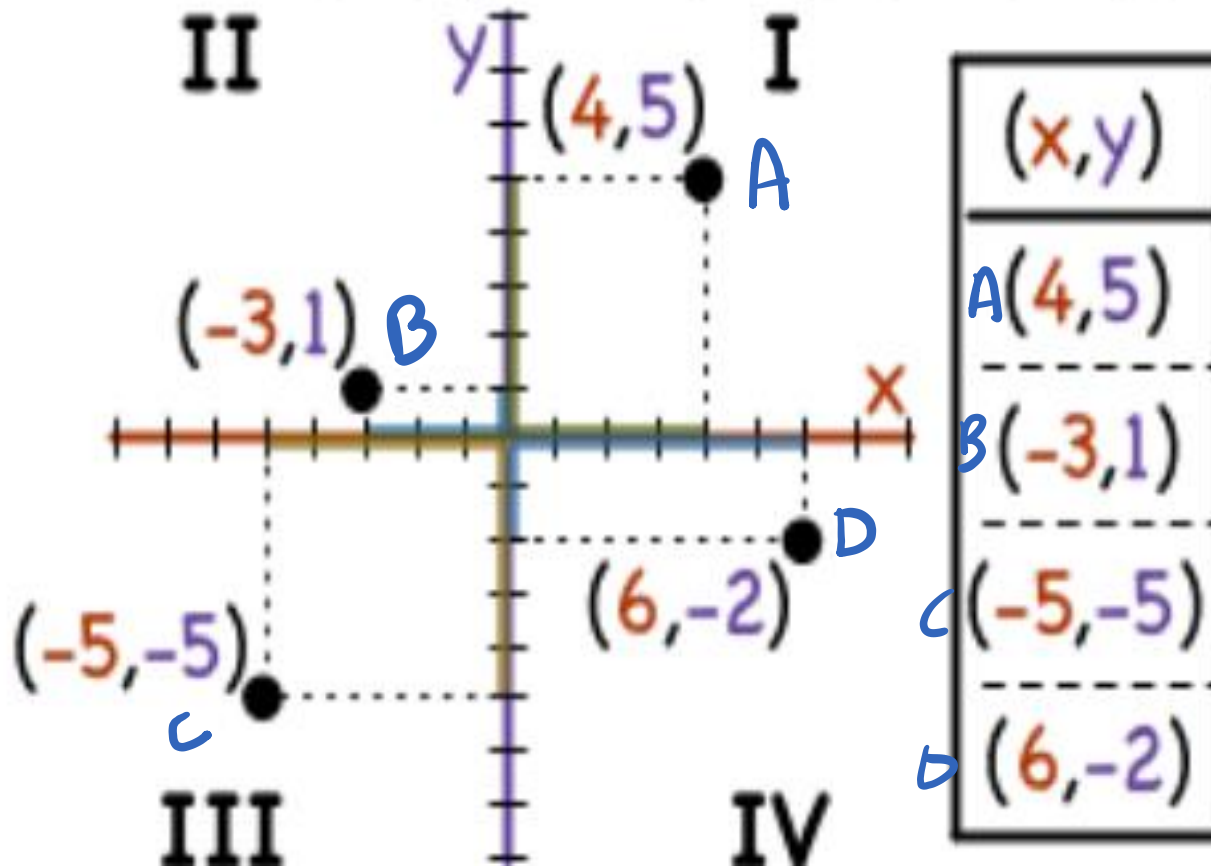
(x, y)

Ordered
Pairs

الزوج المرتب (الإحداثيات)



Graph Ordered Pairs

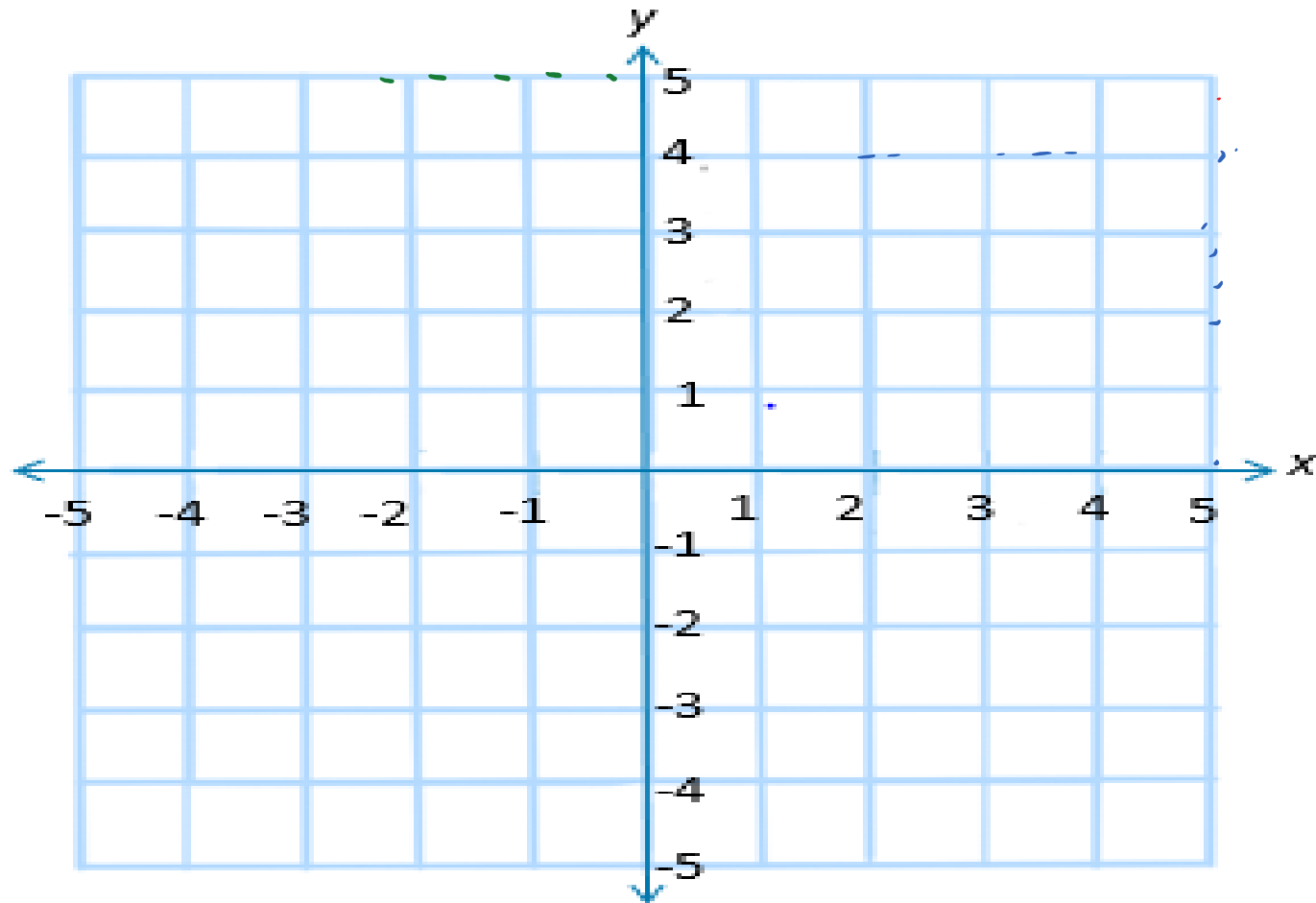


EXAMPLE: Graph each of the following points on the coordinate plane:

Exercise (1): Plot each of following points on the coordinate

plane: $A(5, 4)$, $B(-3, 5)$, $C(5, -4)$, $D(0, 0)$, $E(0, -3)$, $F(-4, 0)$,

$G(1, 0)$, $H(4, 0)$, $I(-4, -3)$, $M(-2, 0)$

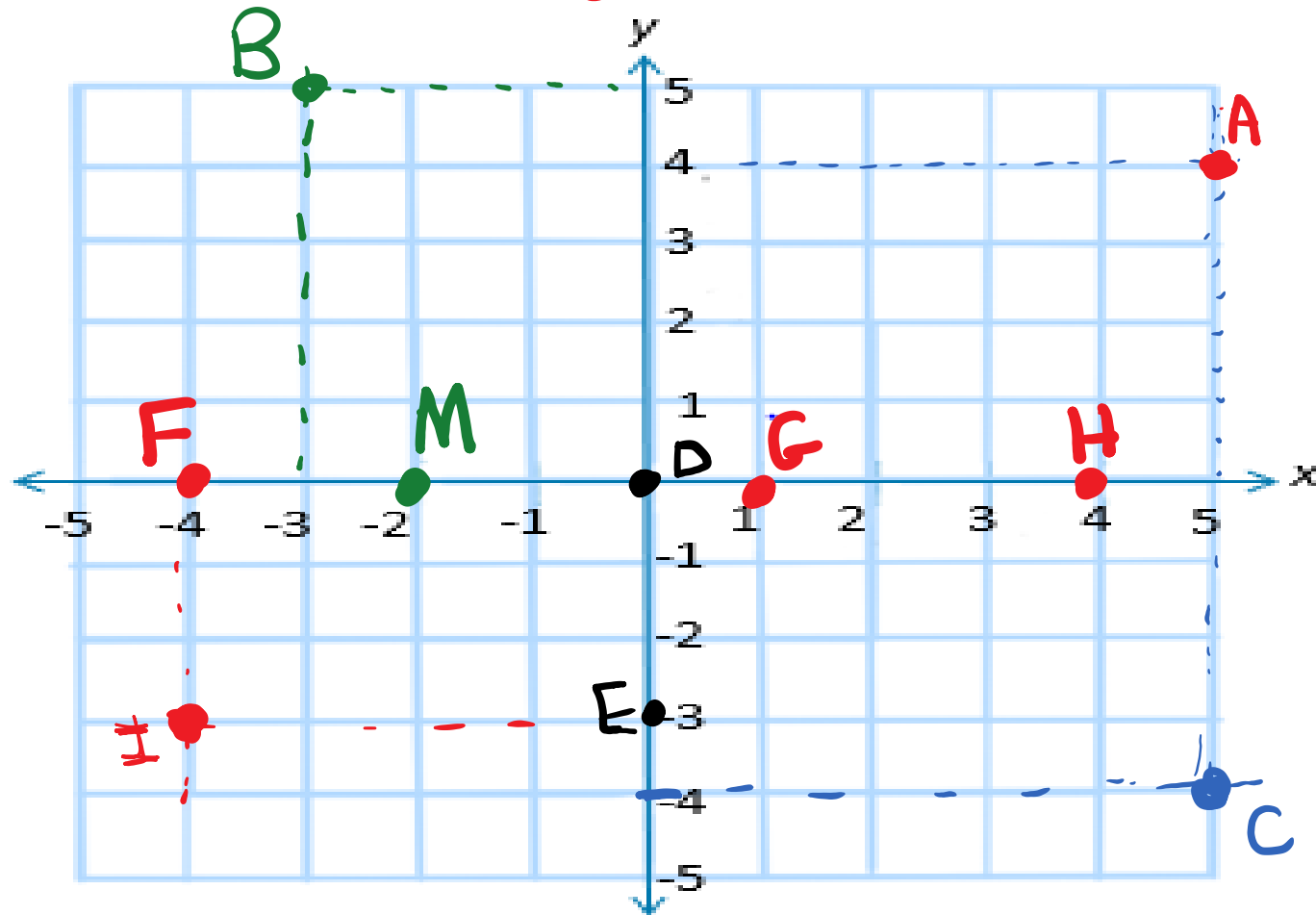


answer

Exercise (1): Plot each of following points on the coordinate

plane: $A(5, 4)$, $B(-3, 5)$, $C(5, -4)$, $D(0, 0)$, $E(0, -3)$, $F(-4, 0)$,

$G(1, 0)$, $H(4, 0)$, $I(-4, -3)$, $M(-2, 0)$



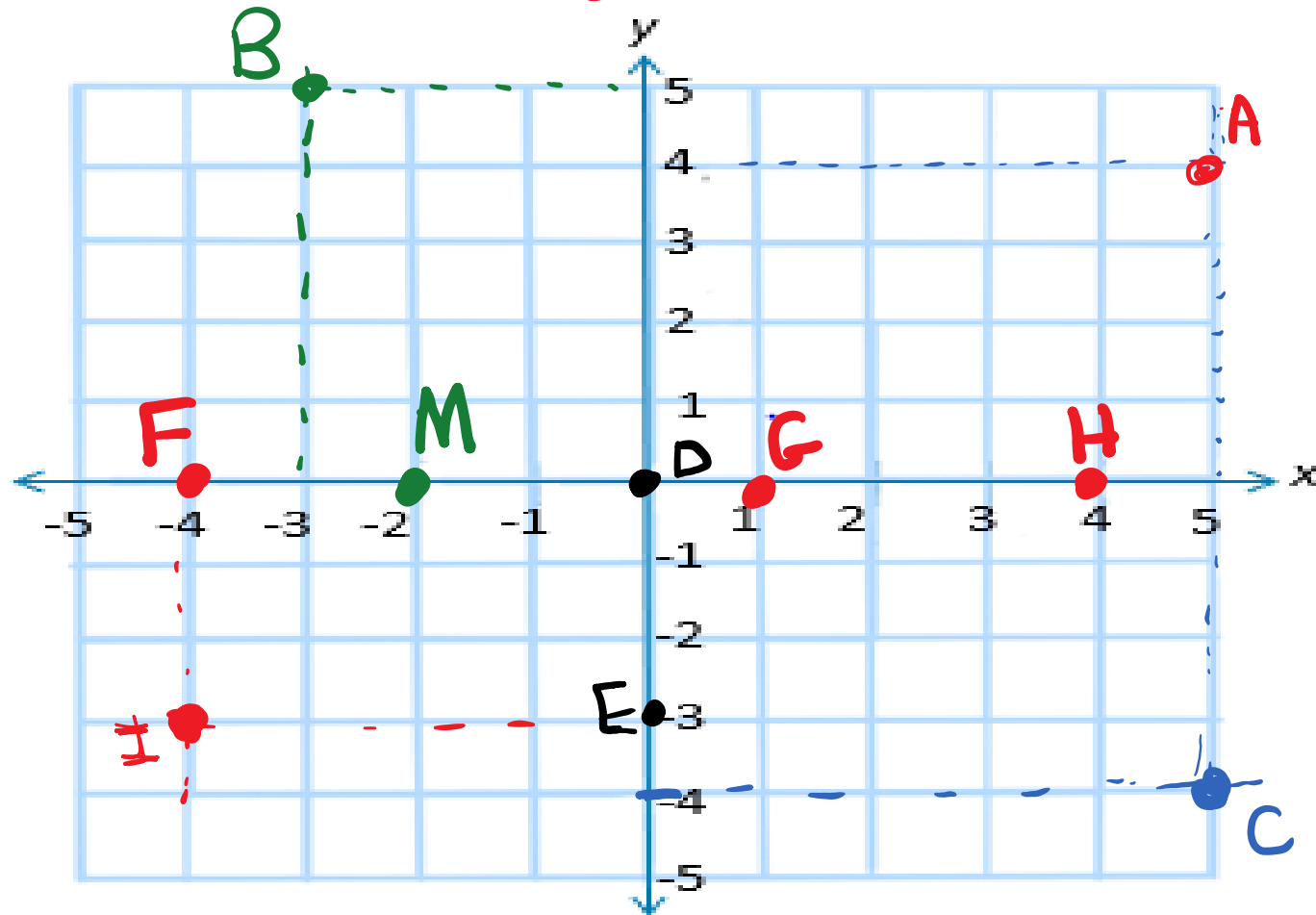
الربع
Quadrant

$A(5, 4) \rightarrow 1$ I
 $B(-3, 5) \rightarrow 2$ II
 $C(5, -4) \rightarrow 4$ IV
 $D(0, 0) \rightarrow$ Origin Point
 $E(0, -3) \rightarrow$ on the y -axis
 $F(-4, 0) \rightarrow$ on the x -axis
 $G(1, 0) \rightarrow$ on the x -axis

answer

Exercise (1): Plot each of following points on the coordinate

plane: $A(5, 4)$, $B(-3, 5)$, $C(5, -4)$, $D(0, 0)$, $E(0, -3)$, $F(-4, 0)$,
 $G(1, 0)$, $H(4, 0)$, $I(-4, -3)$, $M(-2, 0)$

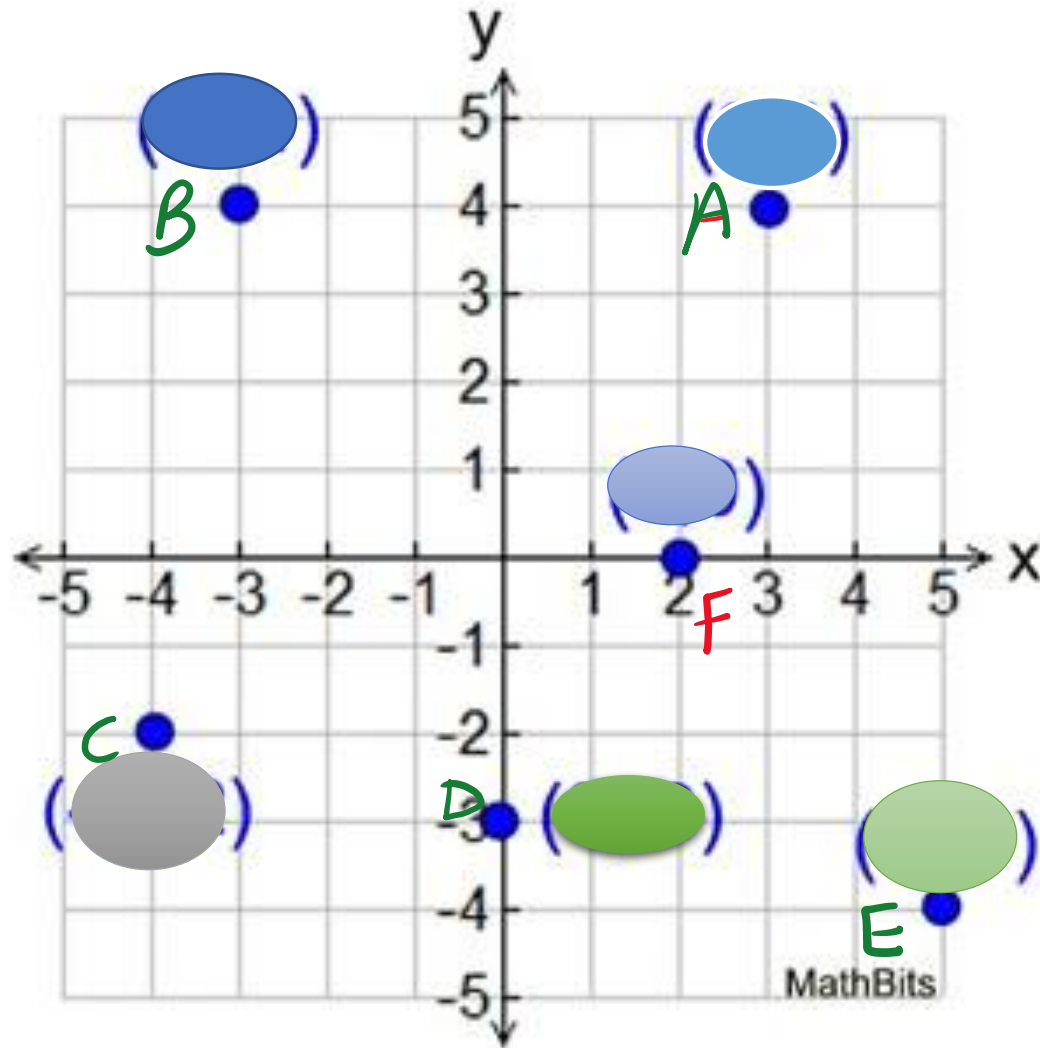


$H(4, 0) \rightarrow$ on the
x-axis

Quadrant
 $I(-4, -3) \rightarrow 3$ III
(الربع الثالث)

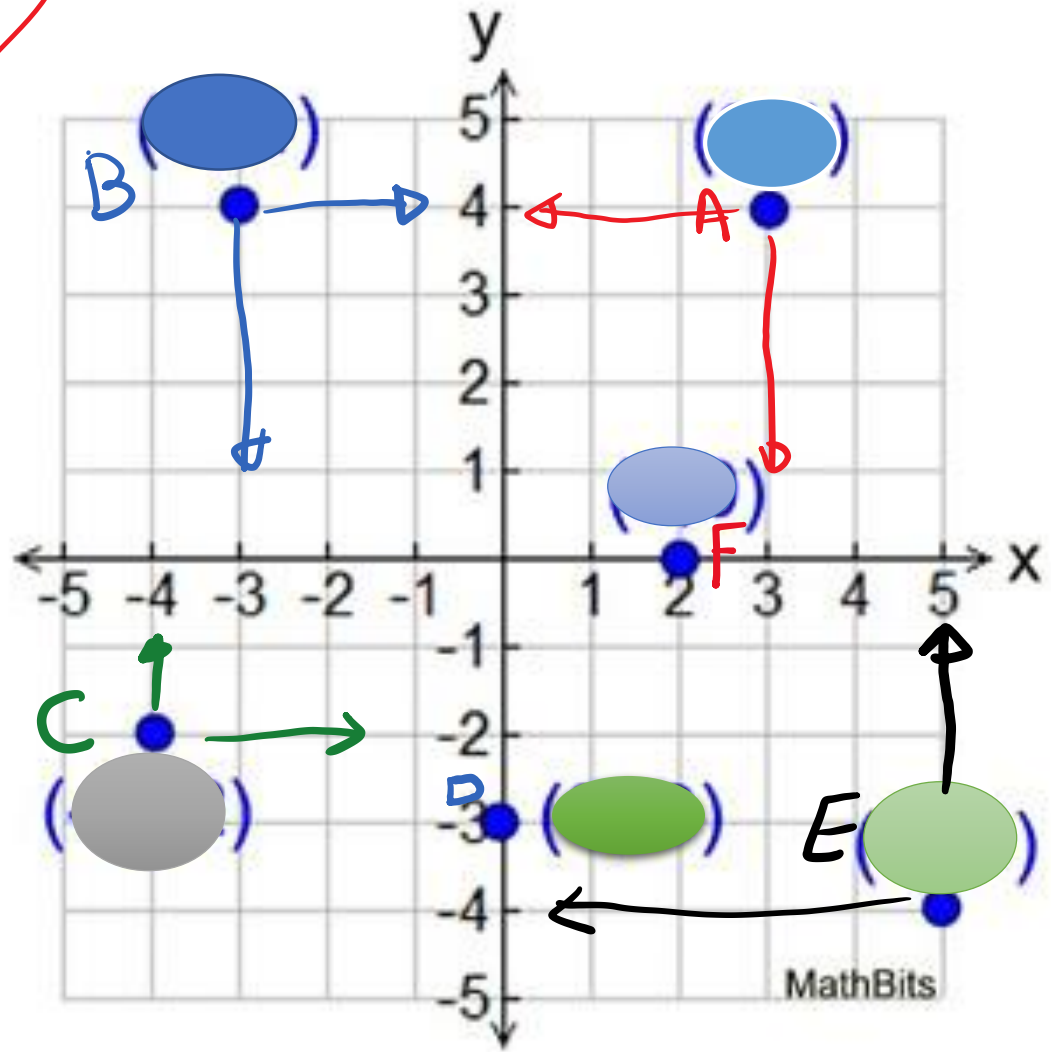
$M(-2, 0) \rightarrow$ on the
x-axis

Exercise (2): what are the coordinates of the following points: A, B, C, D, E, F



Exercise (2): what are the coordinates of the following points: **A, B, C, D, E**

answer



- A (3, 4)
- B (-3, 4)
- C (-4, -2)
- D (0, -3)
- E (5, -4)
- F (2, 0)

answer

