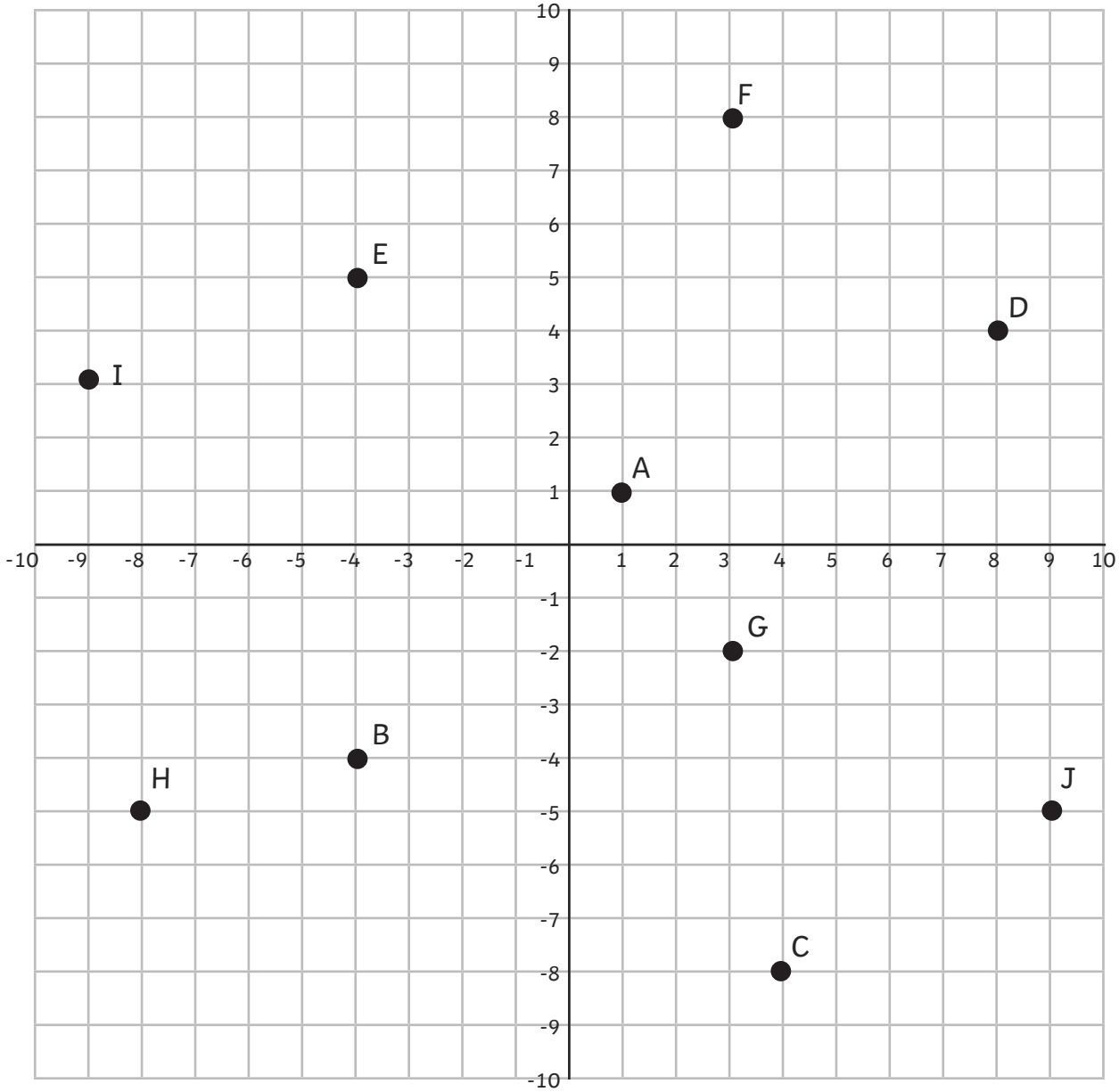
What Are the Coordinates?

Write the coordinates of each point that is plotted in the grid. One has been done for you.



A = (1, 1)

F = (___,___)

B = (___,___)

G = (___,___)

C = (___,___)

H = (___,___)

D = (___,___)

I = (___,___)

E = (___,___)

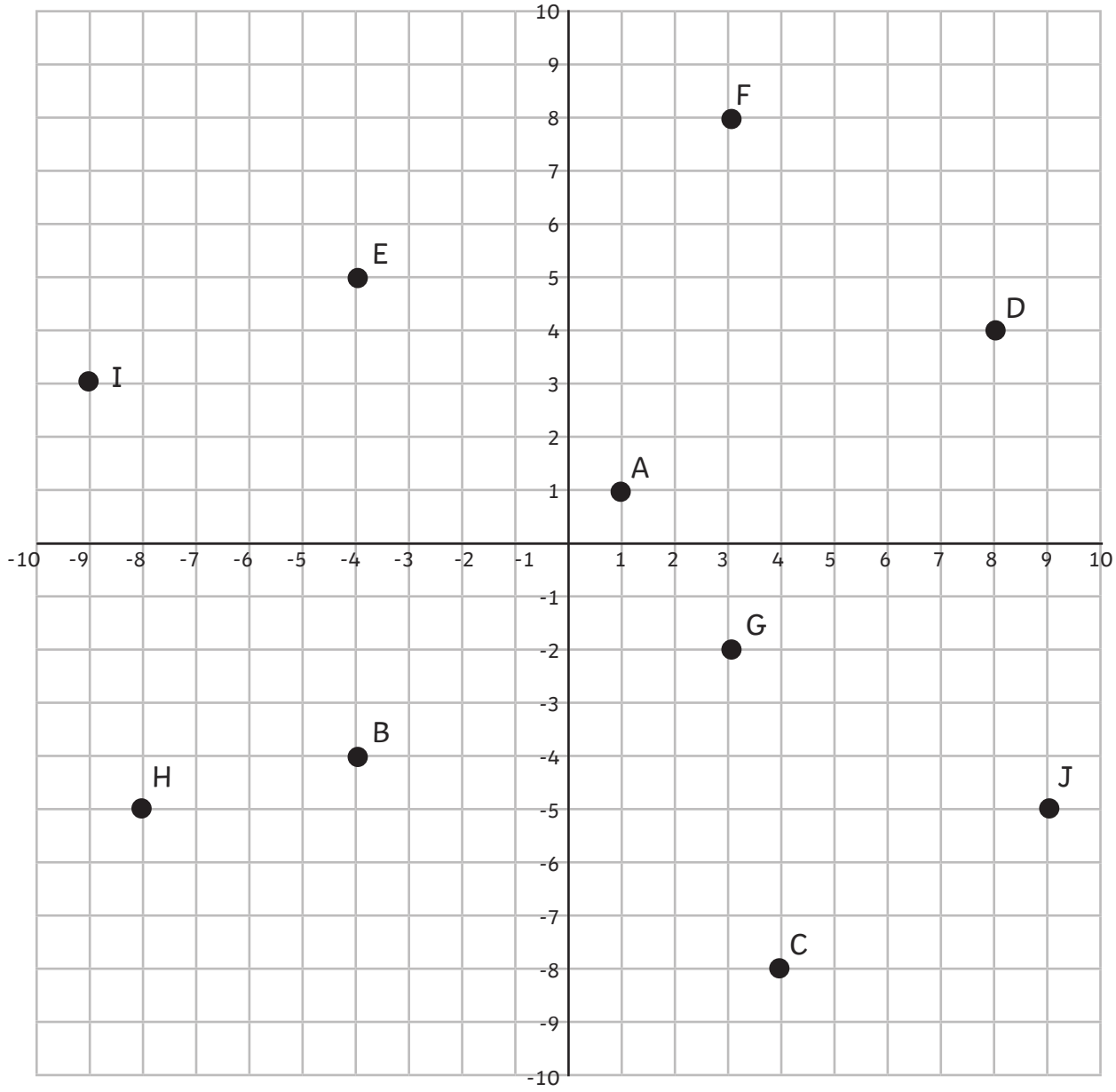
J = (___,___)

Challenge:

Point E moves 6 spaces to the right and 5 places down. What are its new coordinates?

(___,___)

What Are the Coordinates? **Answers**



A = (1, 1)

B = (-4, -4)

C = (4, -8)

D = (8, 4)

E = (-4, 5)

F = (3, 8)

G = (3, -2)

H = (-8, -5)

I = (-9, 3)

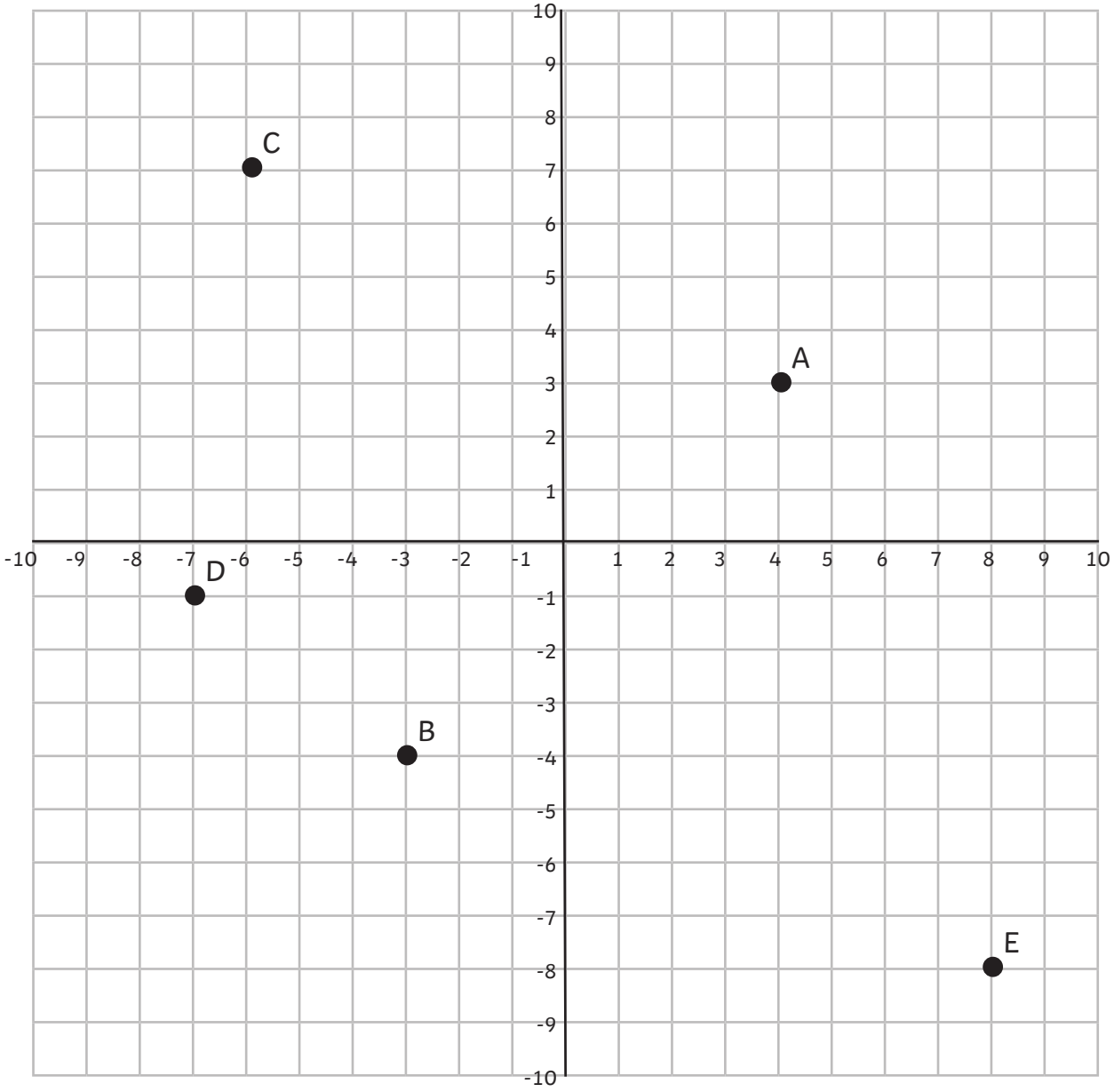
J = (9, -5)

Challenge:

Point E moves 6 spaces to the right and 5 places down. What are its new coordinates?

(2, 0)

What Are the Coordinates?



Write the coordinates of each point.

A = (___,___)

B = (___,___)

C = (___,___)

D = (___,___)

E = (___,___)

Now, plot these new points on the grid.

F = (7, -3)

G = (-7, -7)

H = (2, 1)

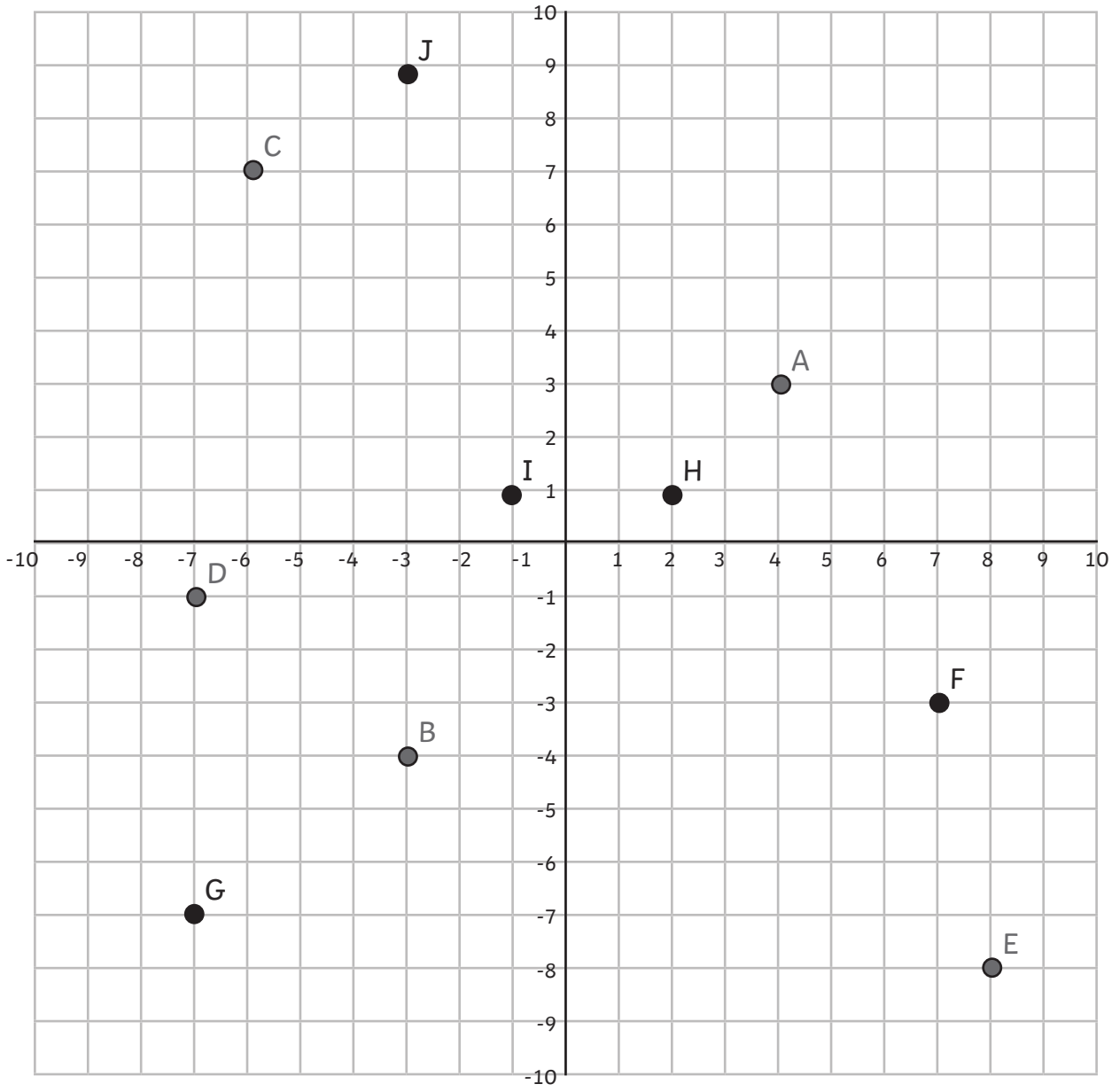
I = (-1, 1)

J = (-3, 9)

Challenge:
Point B translates to the coordinates (-8, 6). What directions has it moved

(___,___)

What Are the Coordinates? **Answers**



Write the coordinates of each point.

A = (4, 3)

B = (-3, -4)

C = (-6, 7)

D = (-7, -1)

E = (8, -8)

Now, plot these new points on the grid.

F = (7, -3)

G = (-7, -7)

H = (2, 1)

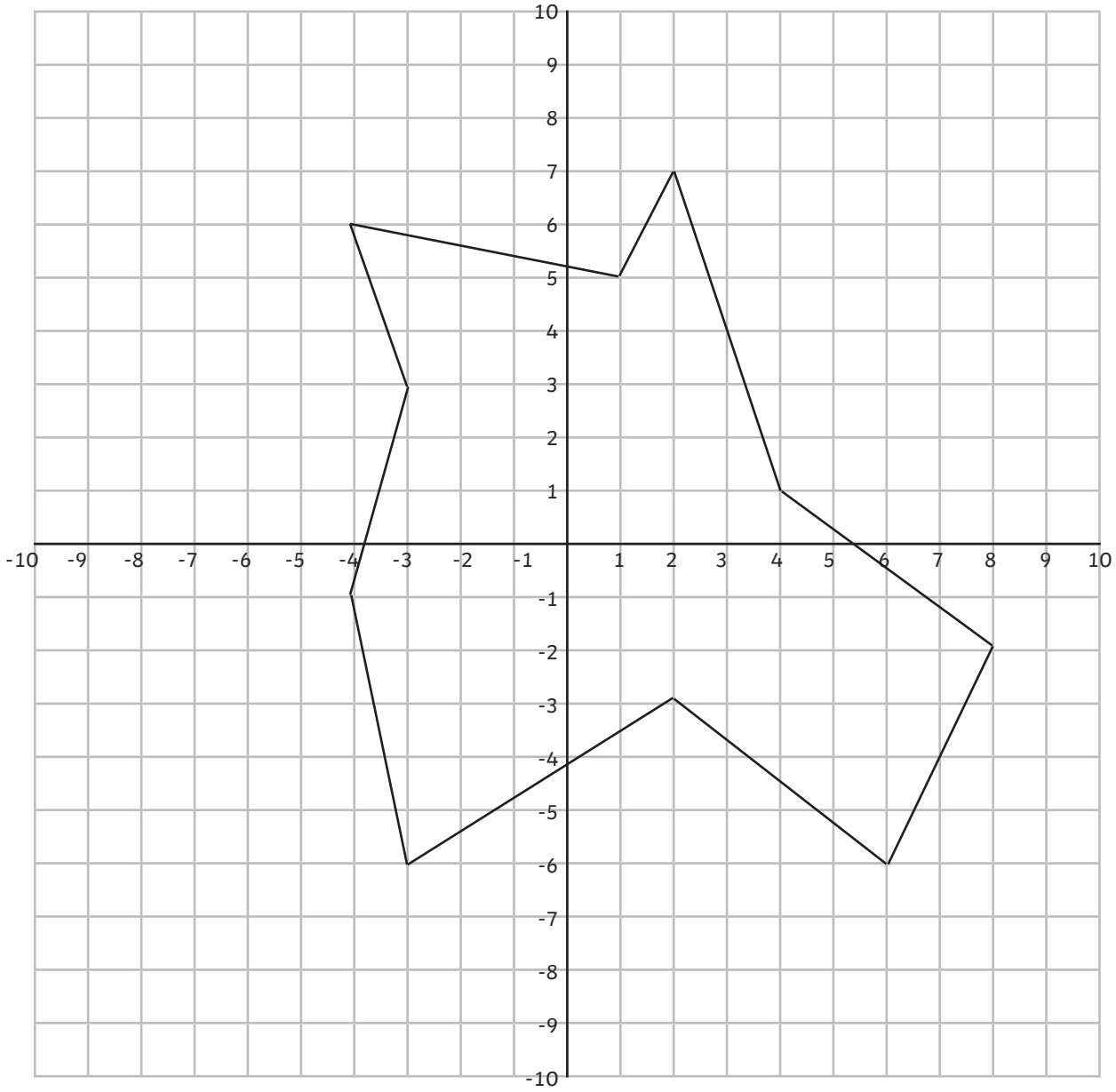
I = (-1, 1)

J = (-3, 9)

Challenge:
Point B translates to the coordinates (-8, 6). What directions has it moved?

5 left, 10 up.

What Are the Coordinates?



Moving clockwise around the shape, write the coordinates of the points on the shape. The first one has been done for you.

(1, 5) (___,___) (___,___)

(___,___) (___,___) (___,___)

(___,___) (___,___) (___,___)

(___,___)

Now, draw your own 6-sided shape and write the coordinates of its points below.

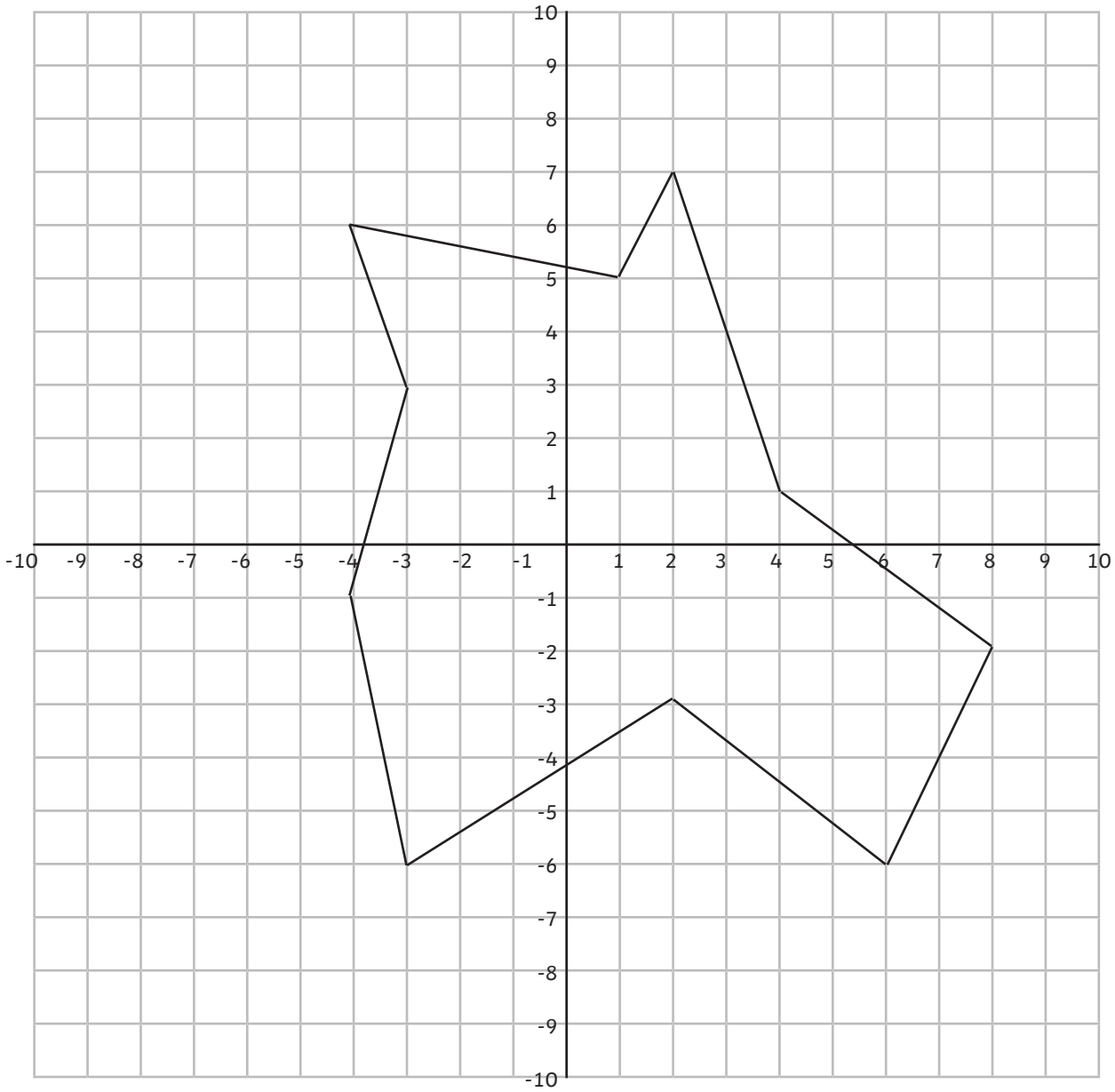
(___,___) (___,___) (___,___)

(___,___) (___,___) (___,___)

Challenge:
One of the coordinates can be moved 7 spaces right and 2 down to be in the same place as another coordinate. Which coordinate is this and where does it move to?

It is coordinate (___,___) and it moves to (___,___)

What Are the Coordinates? **Answers**



Moving clockwise around the shape, write the coordinates of the points on the shape. The first one has been done for you.

(1, 5)

(2, 7)

(4, 1)

(8, -2)

(6, -6)

(2, -3)

(-3, -6)

(-4, -1)

(-3, 3)

(-4, 6)

Now, draw your own 6-sided shape and write the coordinates of its points below.

Answers will vary

Challenge:
One of the coordinates can be moved 7 spaces right and 2 down to be in the same place as another coordinate. Which coordinate is this and where does it move to?

(-3, 3) can be moved to (4, 1)