

Coordinates

Videos 84 and 85 on www.corbettmaths.com

Examples

Workout

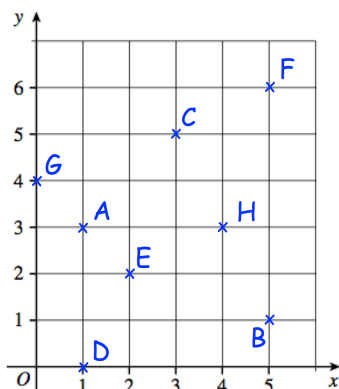


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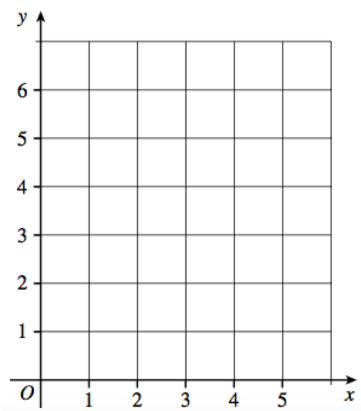
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Question 1: Write down the coordinates of the points A, B, C, D, E, F, G and H.

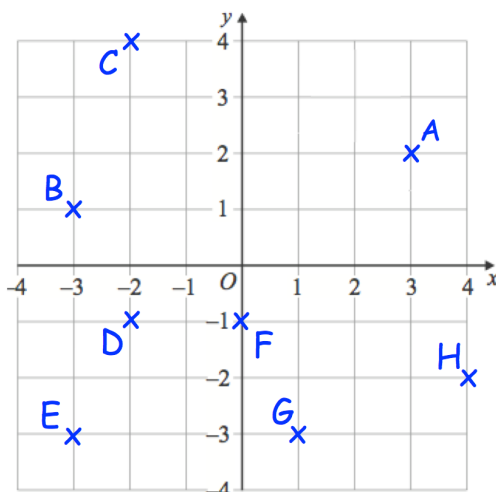


Question 2: Make a copy of the grid shown and then plot the points:

- (a) A (3, 1)
- (b) B (2, 5)
- (c) C (5, 4)
- (d) D (1, 1)
- (e) E (4, 0)
- (f) F (0, 1)
- (g) G (3, 3)
- (h) H (0, 0)

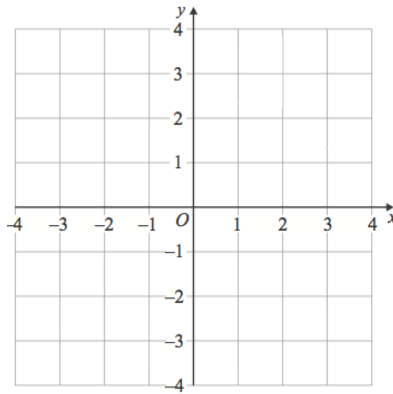


Question 3: Write down the coordinates of the points A, B, C, D, E, F, G and H.



Question 4: Make a copy of the grid shown and then plot the points:

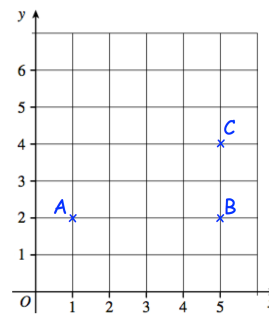
- (a) A (1, 4)
- (b) B (-1, 1)
- (c) C (-3, -4)
- (d) D (2, -1)
- (e) E (-2, 0)
- (f) F (-1, -2)
- (g) G (3, -2)
- (h) H (0, -4)
- (i) I (-2, 2)
- (j) J (-4, -1)
- (k) K (0, 1)



Apply

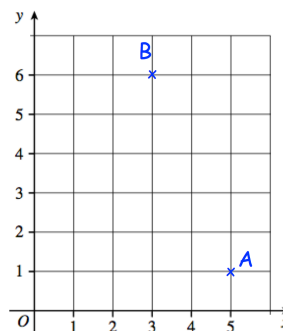
Question 1: Three points are shown on a grid.
ABCD is a rectangle.

- (a) Plot D
- (b) Write down the coordinates of the point D



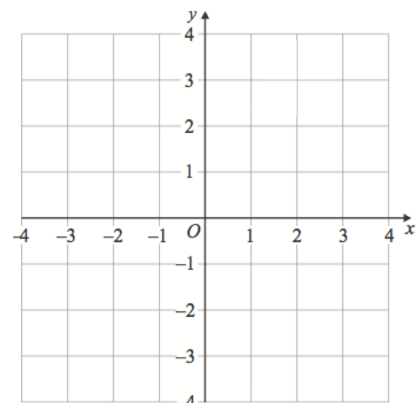
Question 2: Two points are shown on a grid
ABC is an isosceles triangle.

- (a) Plot C
- (b) Write down the coordinates of the point C

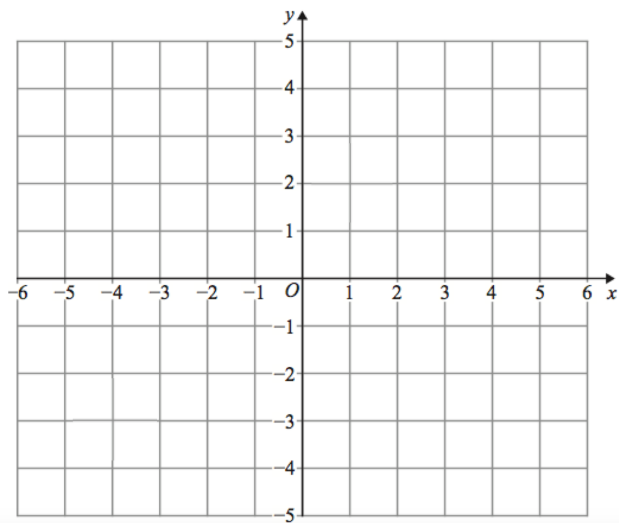


Question 3: Make a copy of the grid shown.

- (a) Plot the point A (-3, -2)
- (b) Plot the point B (1, -2)
- (c) Plot the point C (3, 1)
- (d) Plot the point D (-1, 1)
- (e) What type of quadrilateral is ABCD?



For each question 4-5 below, you will need copies of this grid.



Question 4: (a) Plot the following coordinates

(3, 0) (-3, -2) (1, -4) (1, 2) (-3, 0) (-1, -4) (3, -2) (-1, 2)

(b) Join the shapes to make a polygon.

(c) Name the polygon that you have drawn.

Question 5: (a) Plot the coordinates A (-4, 1), B (1, -2) and C (2, 1)

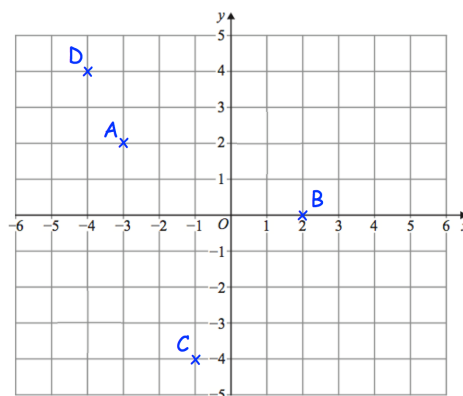
(b) ABCD is a kite.

(c) Plot D

(d) Write down the coordinates of the point D.

Question 6: James has been asked to plot the coordinates A (-3, 2), B (0, 2), C (-1, -4) and D (4, -4)

Can you spot any mistakes?



Answers



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