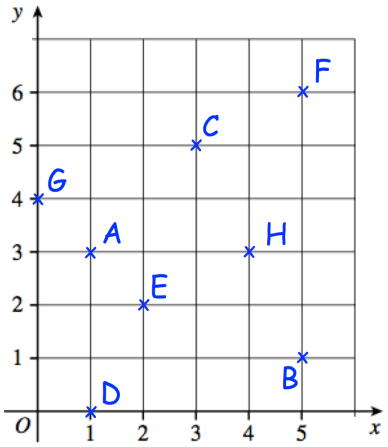
Corbett maths

Coordinates

Videos 84 and 85 on www.corbettmaths.com

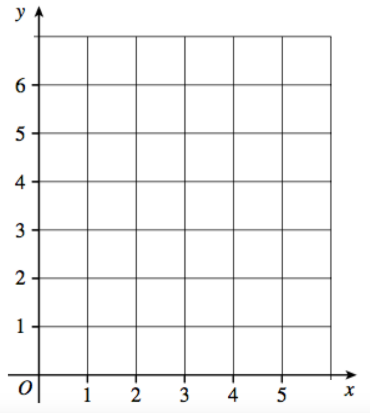
Workout

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

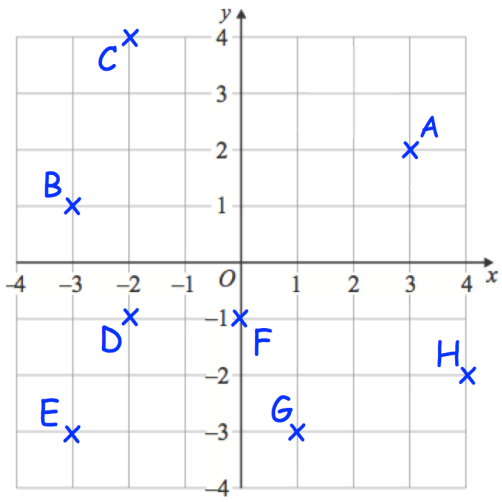


Question 2: Make a copy of the grid shown and then plot the points:

(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.



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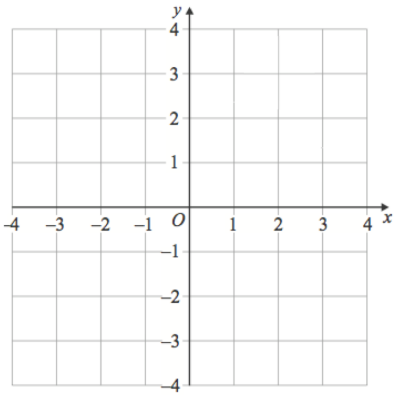
Question 4: Make a copy of the grid shown and then plot the points:

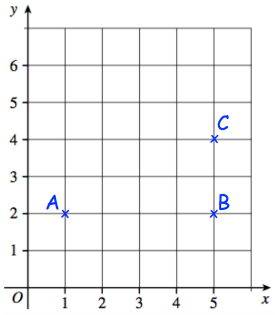
(a) A (1, 4)
(b) B (−1, 1)
(c) C (−3, −4)
(d) D (2, −1)
(e) E (−2, 0)
(f) F (−1, −2)
(g) G (3, −2)
(h) H (0, −4)
(i) I (−2, 2)
(j) J (−4, −1)
(k) K (0, 1)



Apply

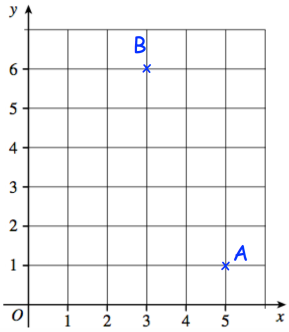
Question 1: Three points are shown on a grid.
ABCD is a rectangle.

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



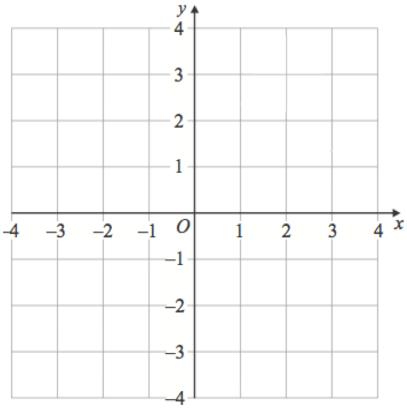
Question 2: Two points are shown on a grid
ABC is an isosceles triangle.

(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?



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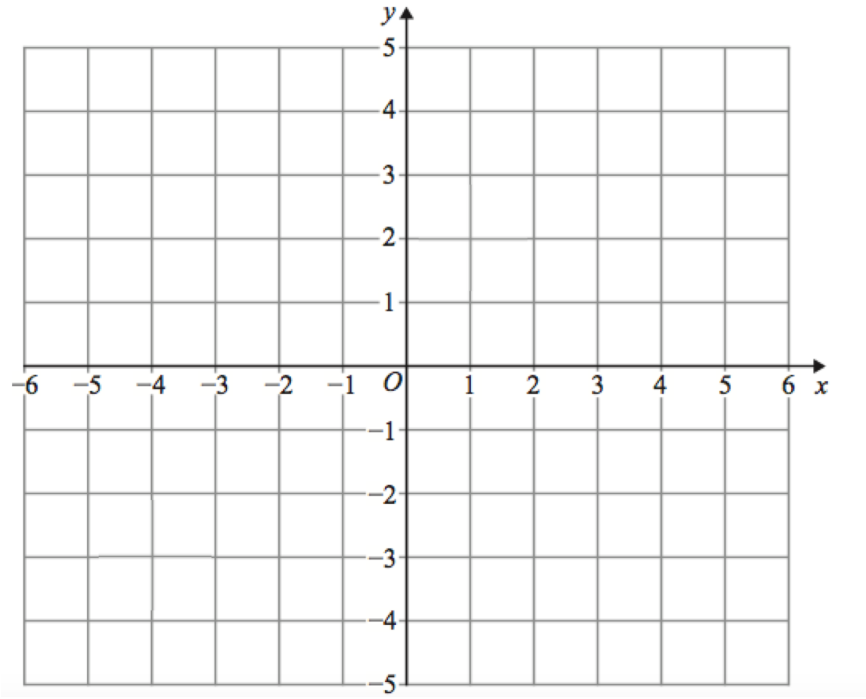
For each question 4-5 below, you will need copies of this grid.



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?