



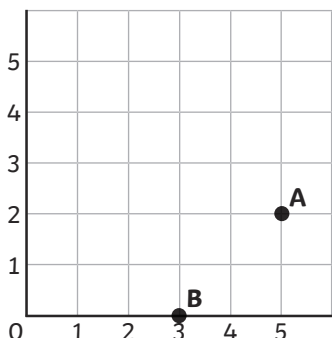
1) Pascal wants to plot the coordinate (11,8) but is unsure how to do it. Write an explanation for Pascal to help him learn how to plot and read coordinates. Remember to use mathematical vocabulary.

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2) Jenni has started to plot the vertices of a square. What are the coordinates of the vertices she has plotted?



Vertex A (     ,     )

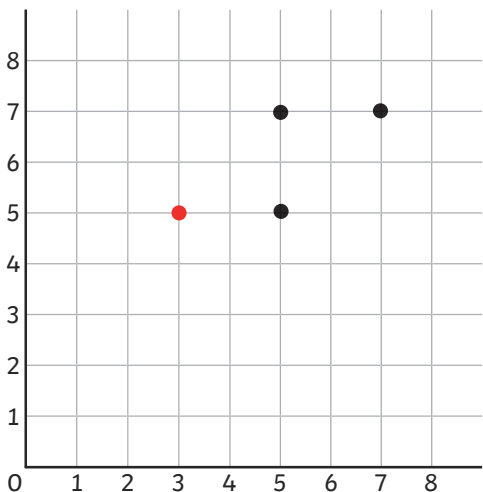
Vertex B (     ,     )

Now plot the other two vertices, label them C and D and record the coordinates.

Vertex C (     ,     )

Vertex D (     ,     )

1) Taylor and Samira have put a red dot on the grid to plot the final vertex of a parallelogram.



Taylor

The coordinates of the vertex we have plotted are (3,5).



Samira

The coordinates of the vertex we have plotted are (5,3).

Who do you agree with? Circle Taylor or Samira. Explain the mistake that the other person has made.

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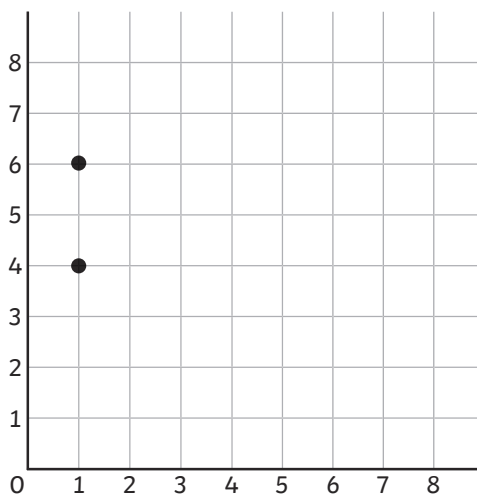
2) Philip has plotted two vertices of an isosceles triangle. Complete the following sentences about the coordinates of the third vertex.

a) The coordinates of the third vertex could be (     ,     ).

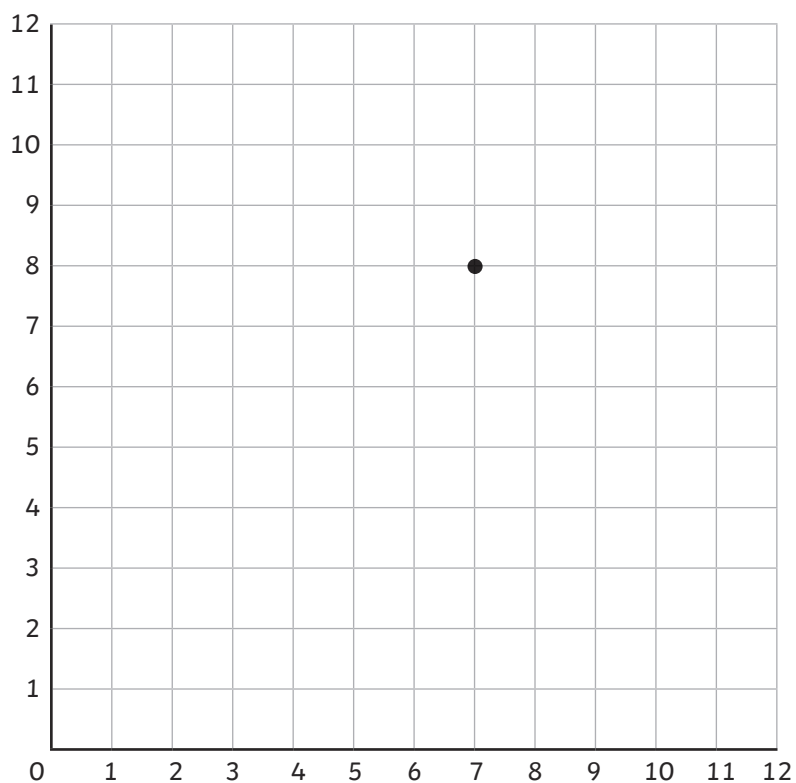
b) The coordinates of the third vertex can't be (     ,     )

because \_\_\_\_\_

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Here is one vertex of a parallelogram. Find five possible parallelograms that can be drawn using this vertex. Write the coordinates of the missing vertices of each parallelogram.



Parallelogram 1 \_\_\_\_\_

Parallelogram 2 \_\_\_\_\_

Parallelogram 3 \_\_\_\_\_

Parallelogram 4 \_\_\_\_\_

Parallelogram 5 \_\_\_\_\_