#LIFEworkbalance

We have started a #LIFEworkbalance campaign and we need your help to complete our LIFE/work balance survey.

We hope to publish the results soon, so please give 15 minutes of your time to help us get a true picture of school life.

Want to be a part of this campaign? Take the survey on our website and share it with your colleagues!

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Year 4 – Summer Block 6 – Position and Direction – Draw on a Grid

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 4 : (4P3b) Plot specified points and draw sides to complete a given polygon

More Year 4 Position and Direction resources.

Did you like this resource? Don't forget to review it on our website.

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Step 2: Draw on a Grid

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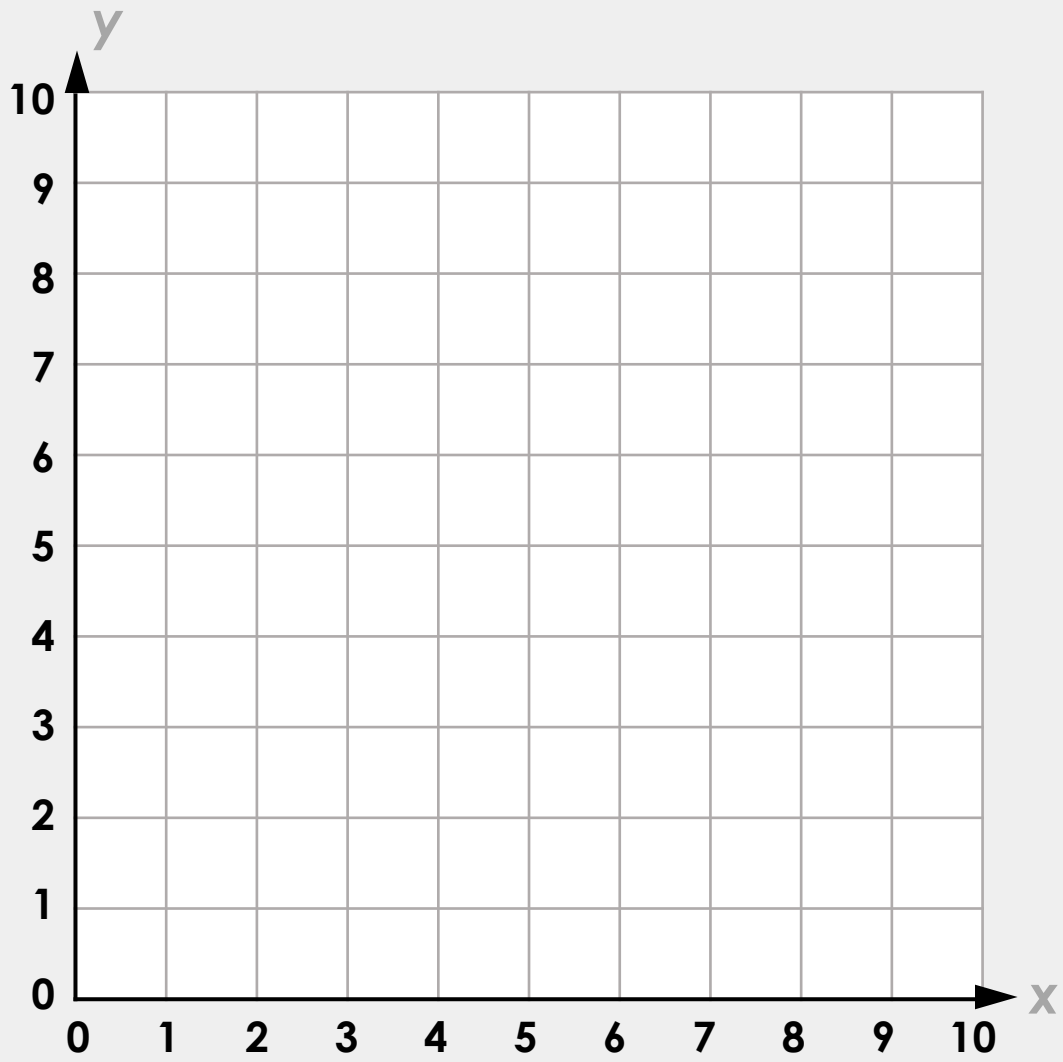
Introduction

When plotted, which coordinates will make a parallelogram?



(3, 4) (4, 3)
(7, 4) (4, 7)
(2, 6) (6, 2)
(2, 2) (0, 2)

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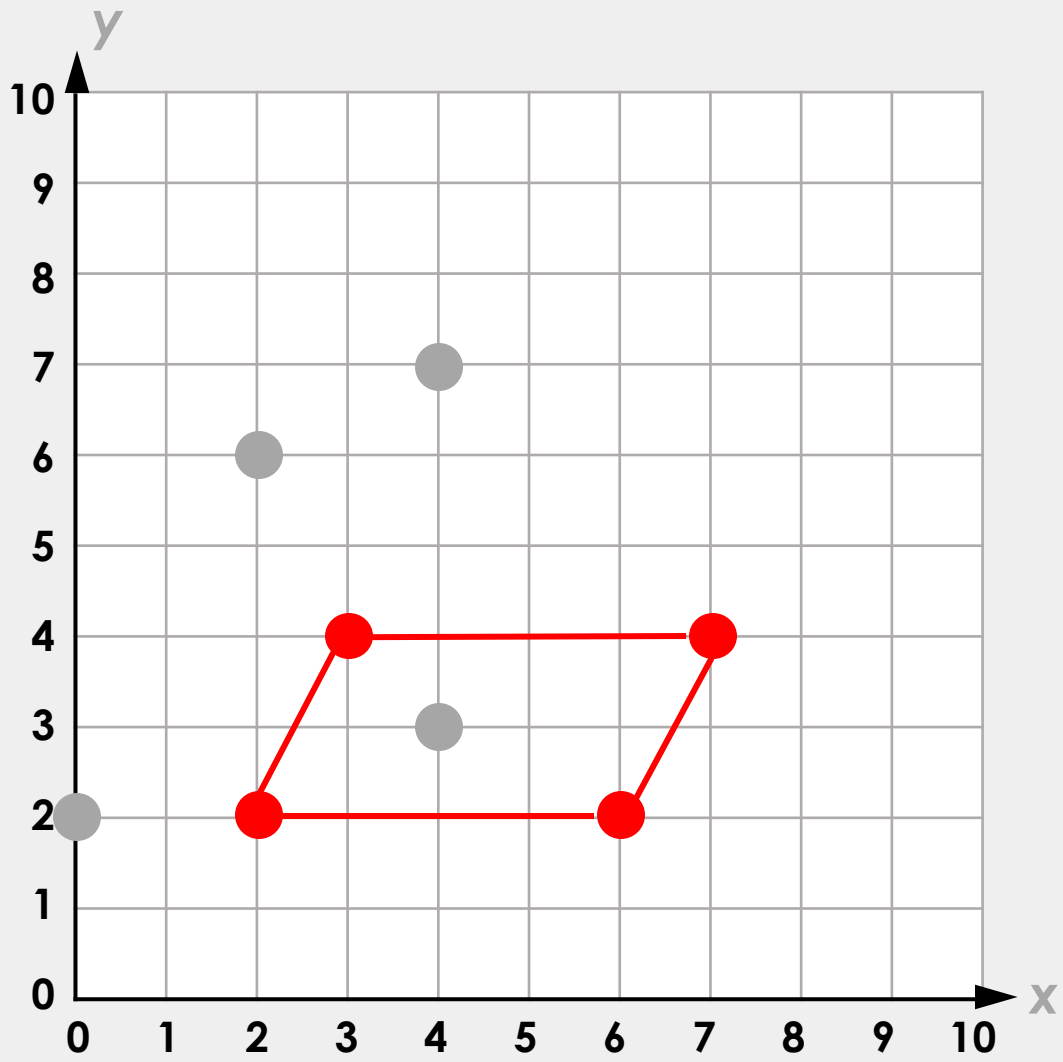
Introduction

When plotted, which coordinates will make a parallelogram?



(3, 4) (4, 3)
(7, 4) (4, 7)
(2, 6) **(6, 2)**
(2, 2) (0, 2)

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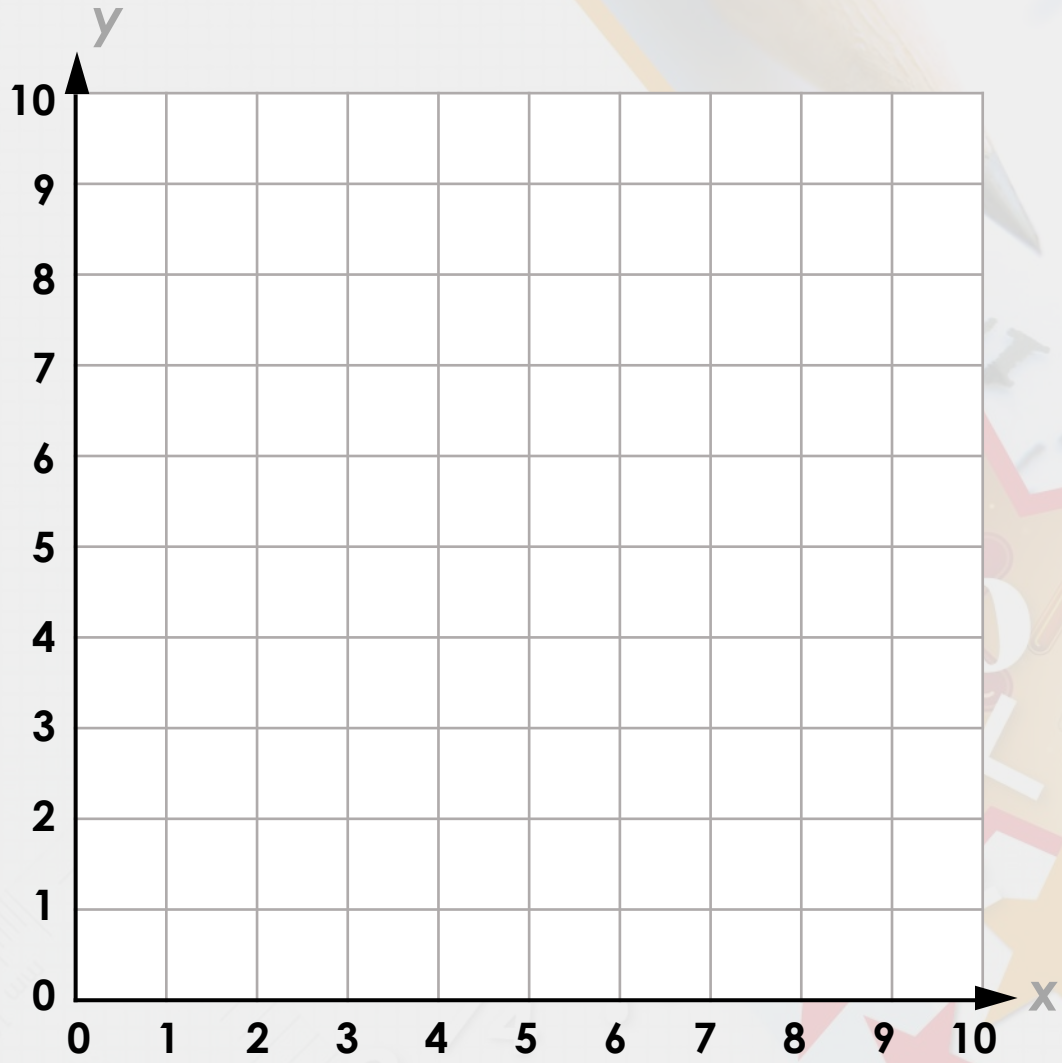
Varied Fluency 1

Plot the points for the coordinates on the grid.

(2, 1)

(5, 4)

(3, 5)



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Varied Fluency 1

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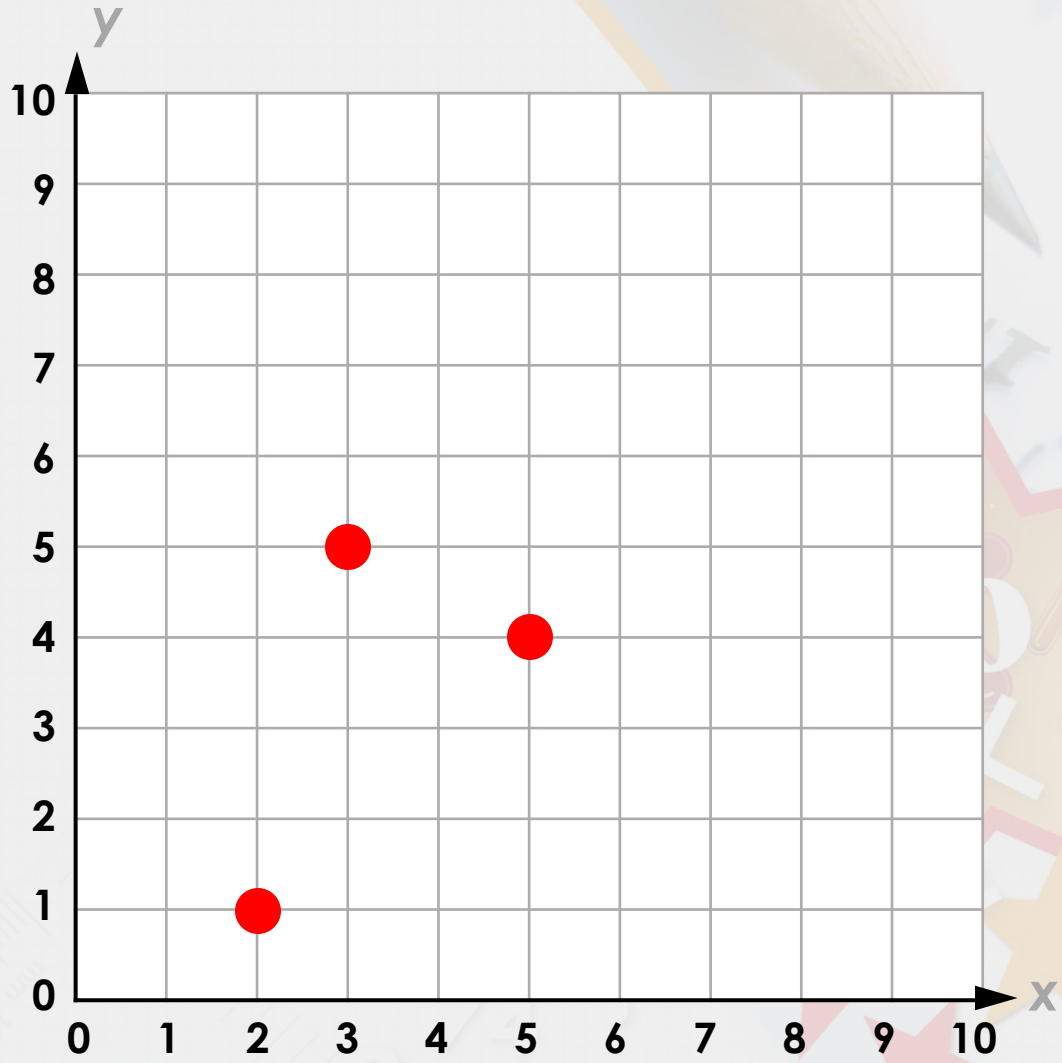

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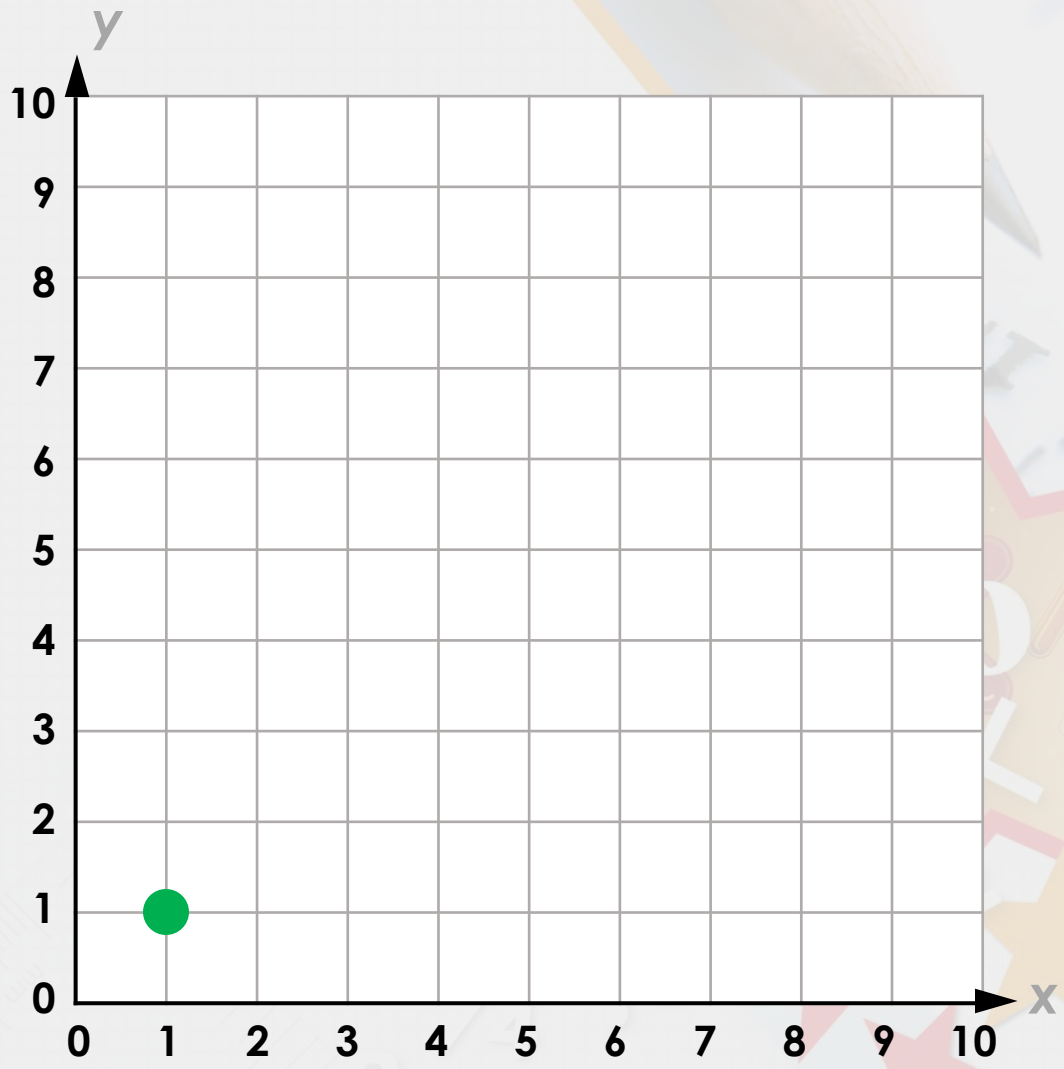
Varied Fluency 2

Draw a right-angled triangle. Start at point A. Write the coordinates.

(1, 1)

(,)

(,)



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Varied Fluency 2

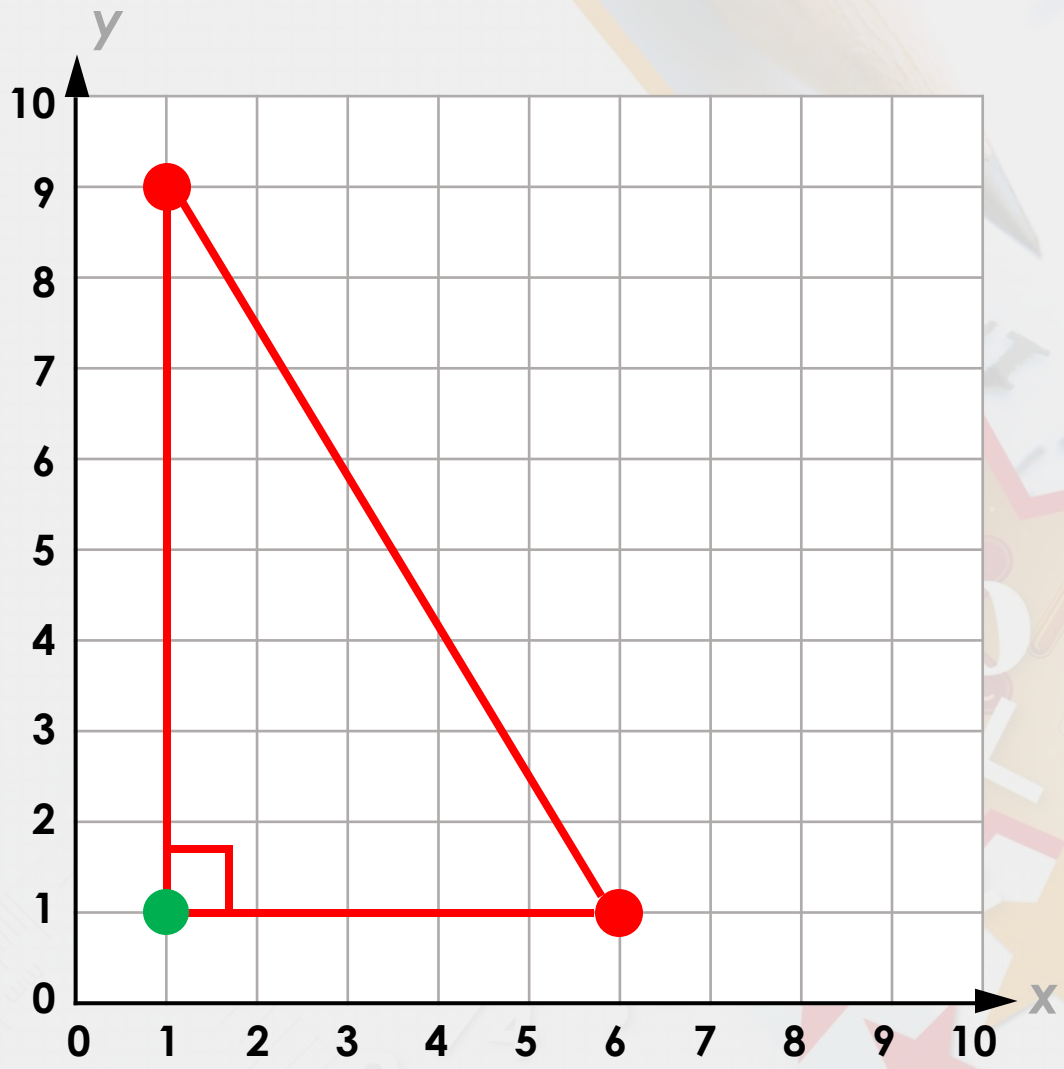
Draw a right-angled triangle. Start at point A. Write the coordinates.

Possible answer:

(1, 1)

(1, 9)

(6, 1)



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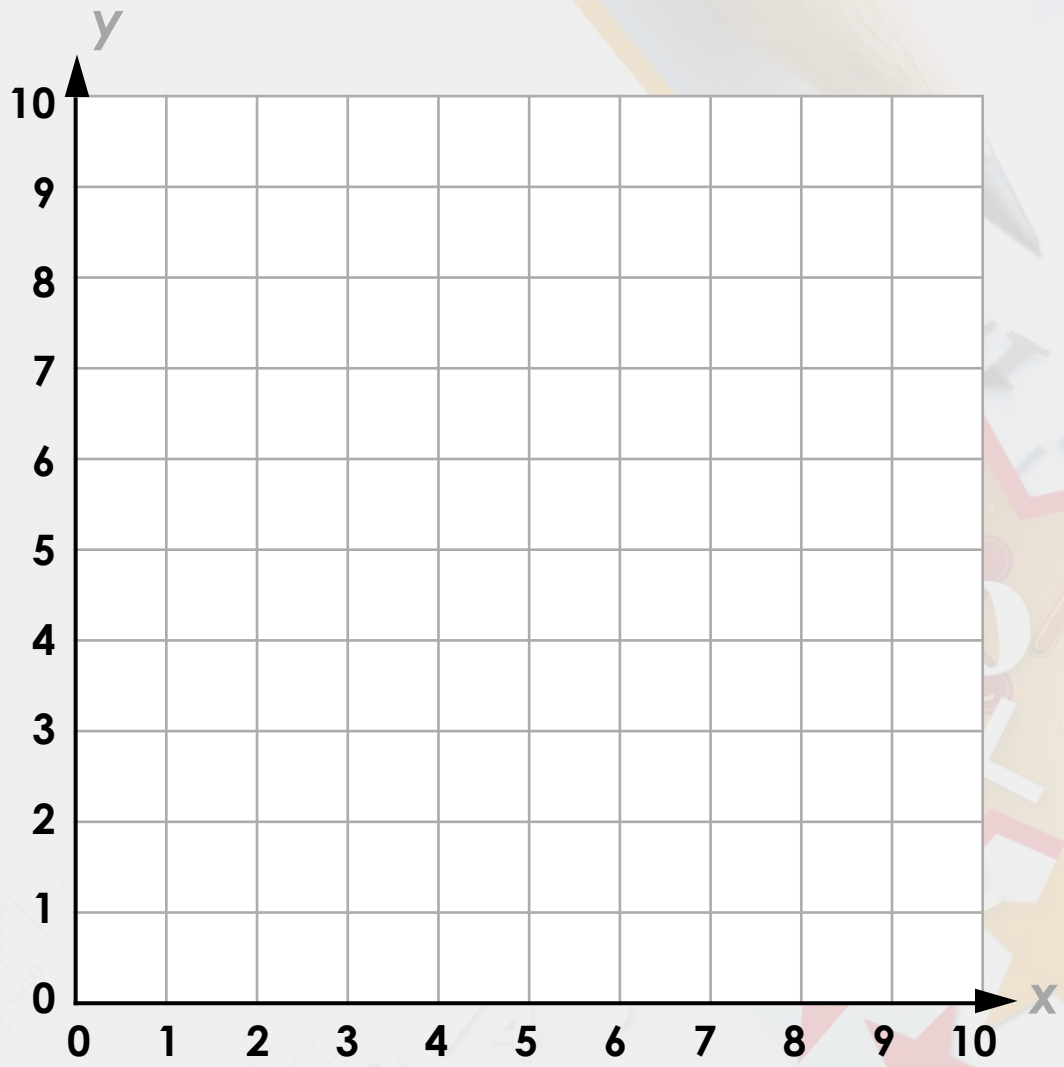
Varied Fluency 3

These are the coordinates for the vertices of a square. True or false?

- (2, 1)
- (7, 1)
- (2, 6)
- (7, 7)



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Varied Fluency 3

These are the coordinates for the vertices of a square. True or false?

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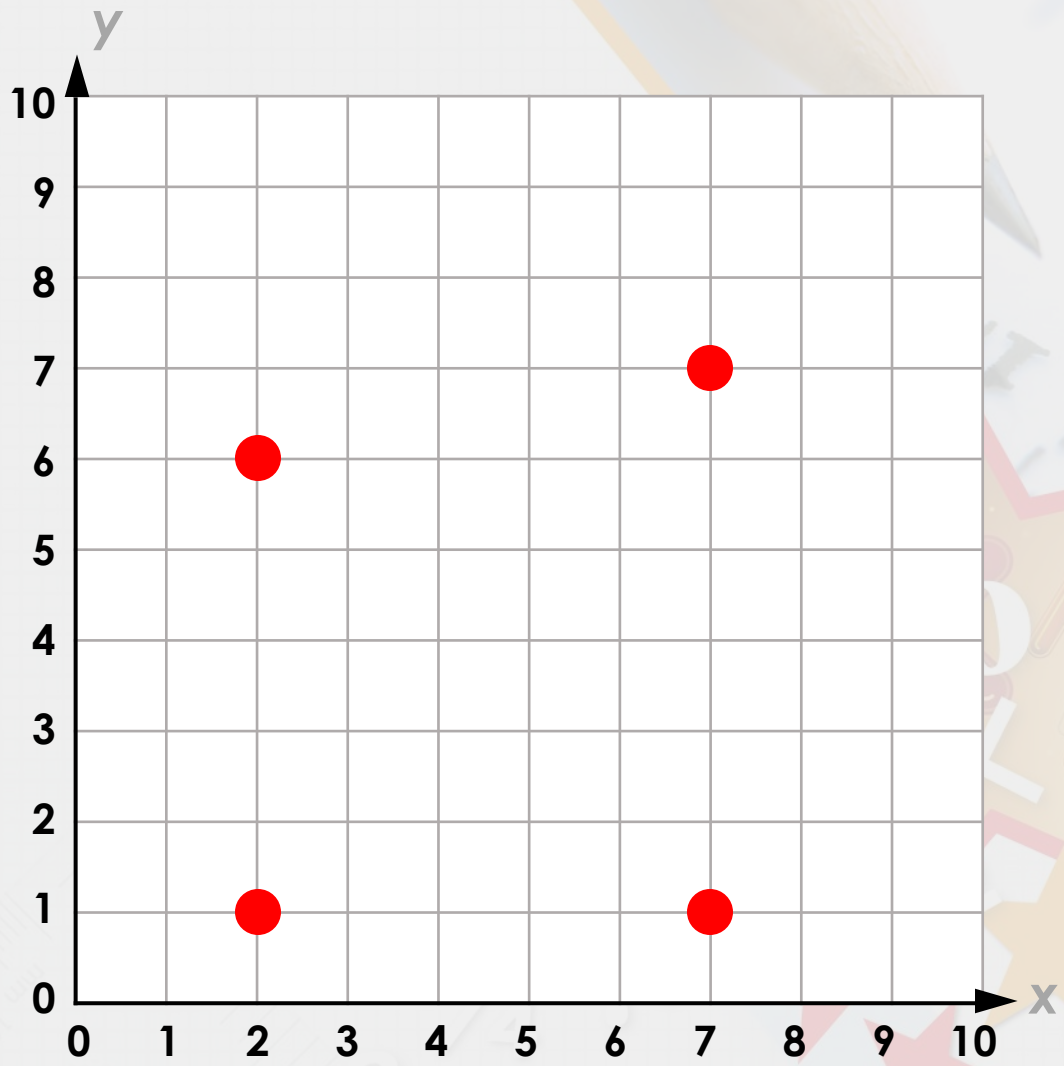

False.

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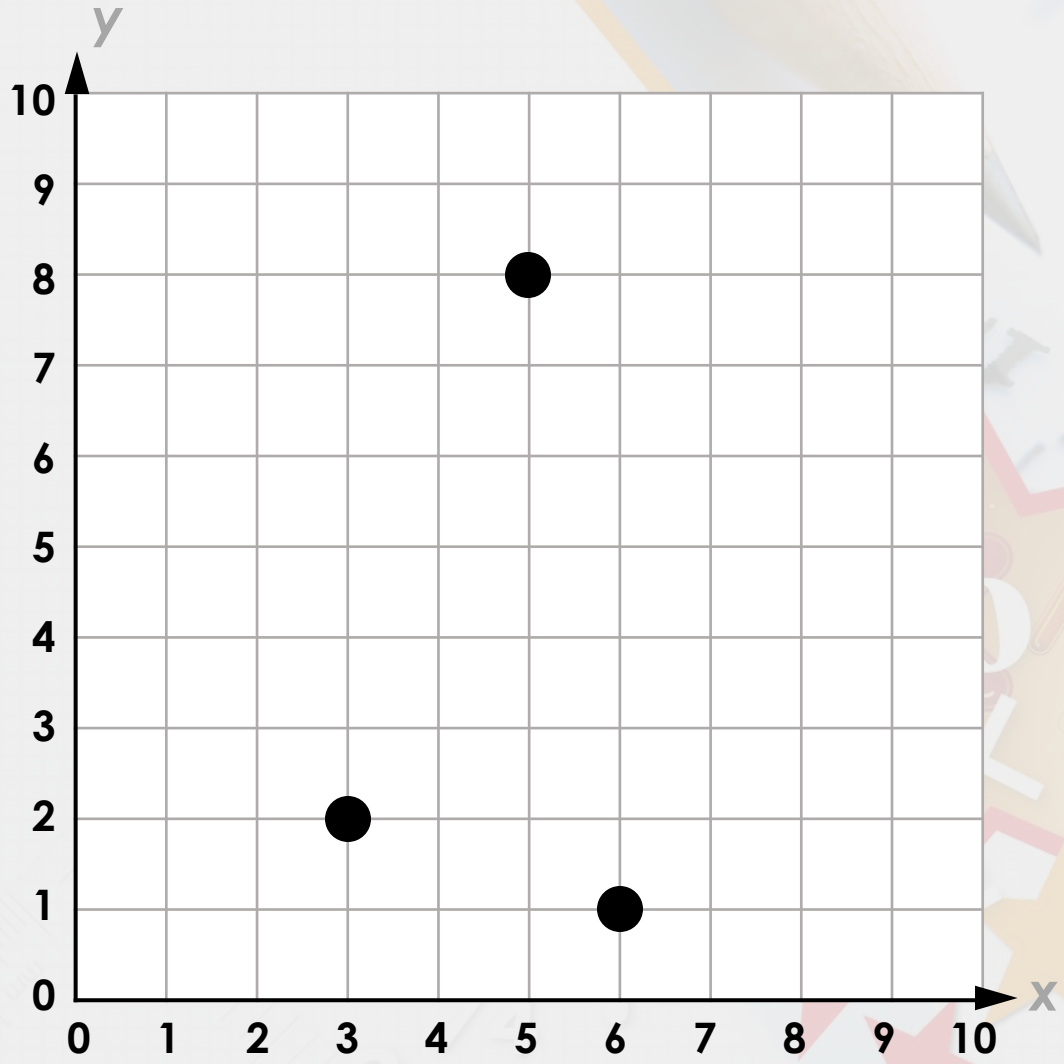
Reasoning 1

Chloe is plotting coordinates. Explain her mistake.

(3, 2)

(5, 8)

(1, 6)



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Chloe is plotting coordinates. Explain her mistake.

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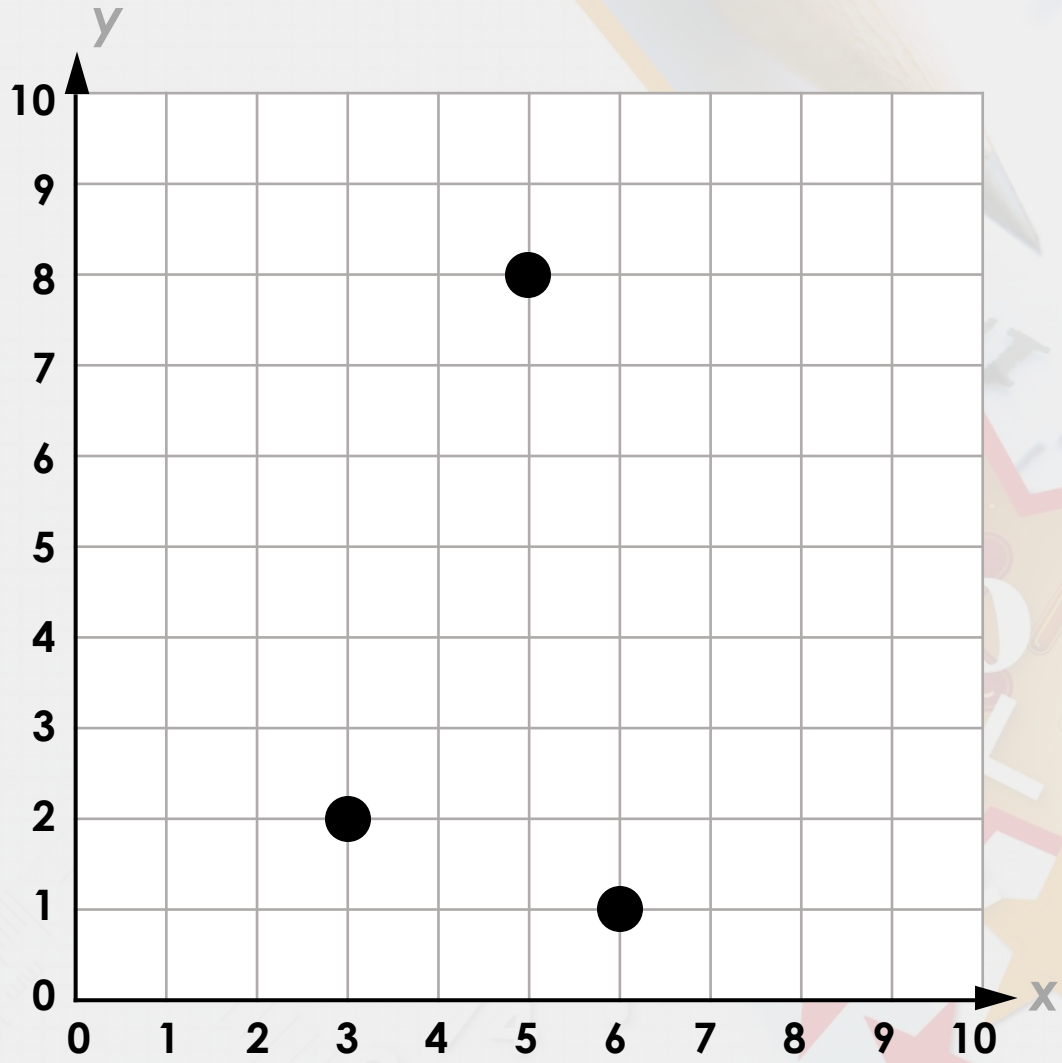

Chloe has used the y axis first…

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Chloe is plotting coordinates. Explain her mistake.

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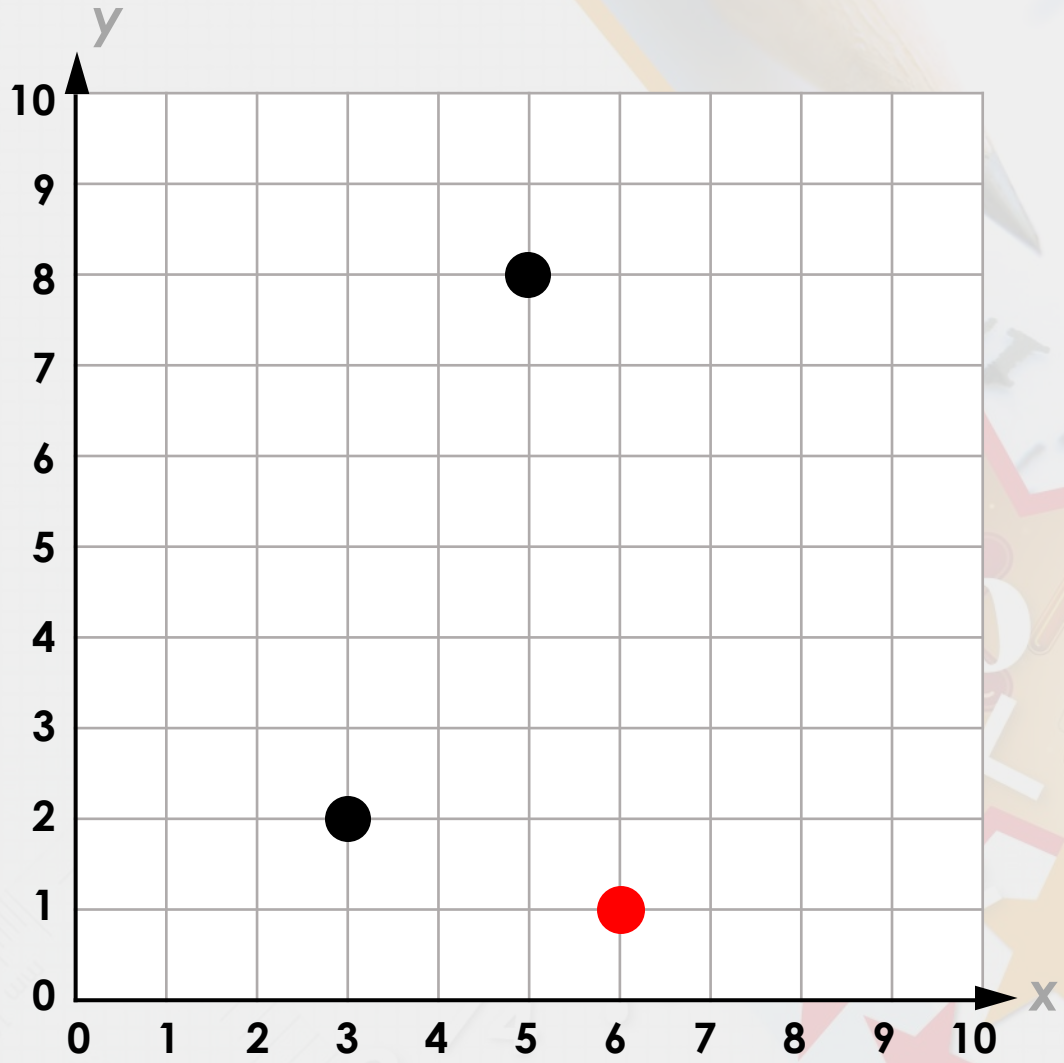

Chloe has used the y axis first when plotting coordinate (1, 6). She should use the x axis first when plotting coordinates.

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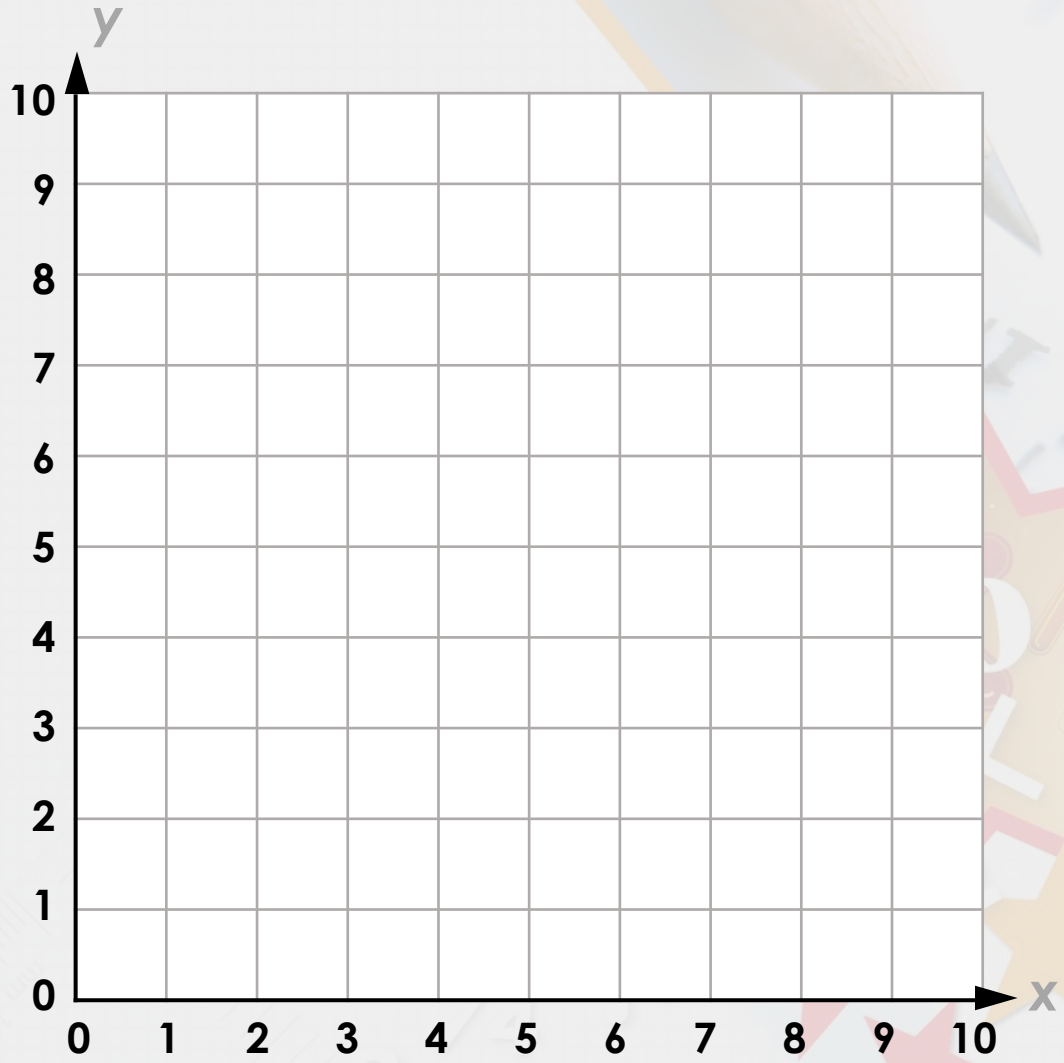
Problem Solving 1

Identify and plot six pairs of coordinates, each with a total of less than 10.



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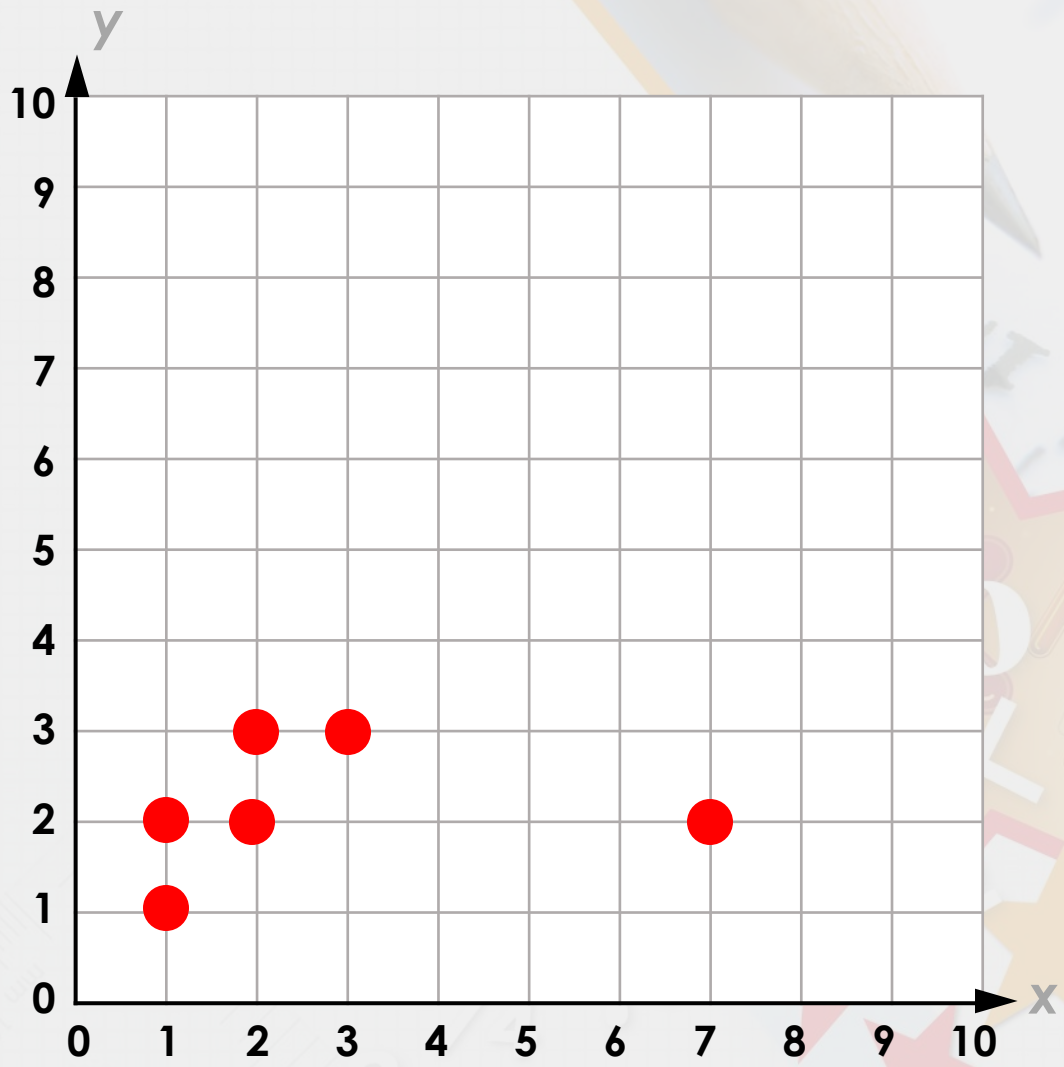
Problem Solving 1

Identify and plot six pairs of coordinates, each with a total of less than 10.

Various answers, for example:
(2, 3), (3, 3), (7, 2), (2, 2), (1, 1), (1, 2)



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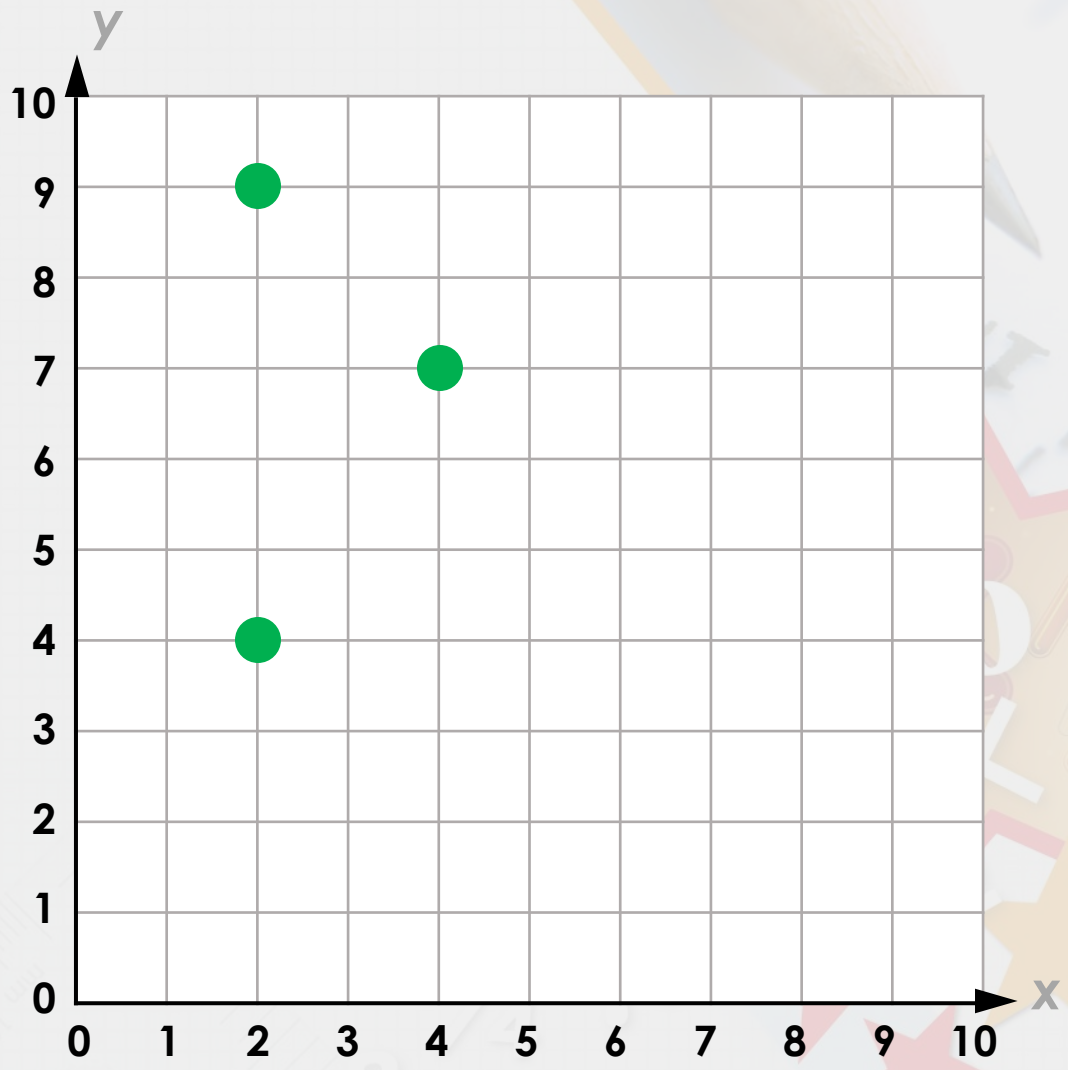
Problem Solving 2

Plot 2 missing coordinates to make a letter made up of straight lines.



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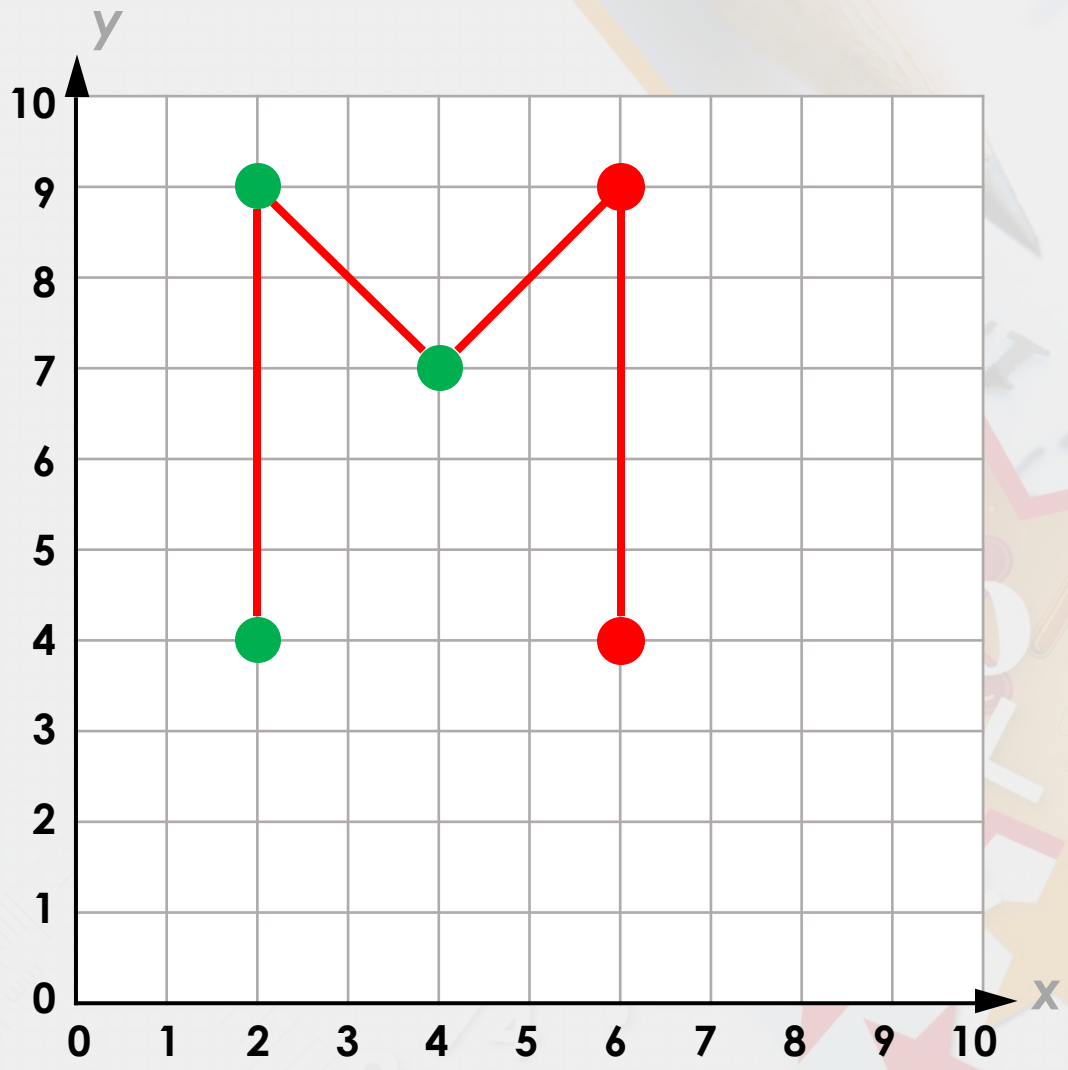

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