Miss Robinson's Maths Group Homework

Summer Week 3

Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.
Please have your homework in school on
Friday 8th May, 2026

Fractions – Revision

Arithmetic

These are the types of fraction questions you *may* meet in the Arithmetic Test.

$\frac{2}{5} \times \frac{5}{6} =$

$\frac{1}{3} - \frac{1}{9} =$

$\frac{1}{6} + \frac{2}{3} + \frac{3}{12} =$

$\frac{5}{8} \div 3 =$

$2\frac{1}{6} + \frac{2}{5} =$

$3\frac{1}{3} \times 12 =$

$\frac{3}{8} \times 240 =$

$4\frac{3}{7} - 1\frac{1}{6} =$

$\frac{4}{6} \times \frac{1}{8} =$

$\frac{5}{12} + \frac{1}{3} =$

$\frac{6}{7} - \frac{11}{21} =$

$\frac{1}{3} + \frac{2}{6} + \frac{5}{18} =$

Percentages – Revision

5% of 860

10% = 86

5% = 43

99% of 600

10% = 60

1% = 6

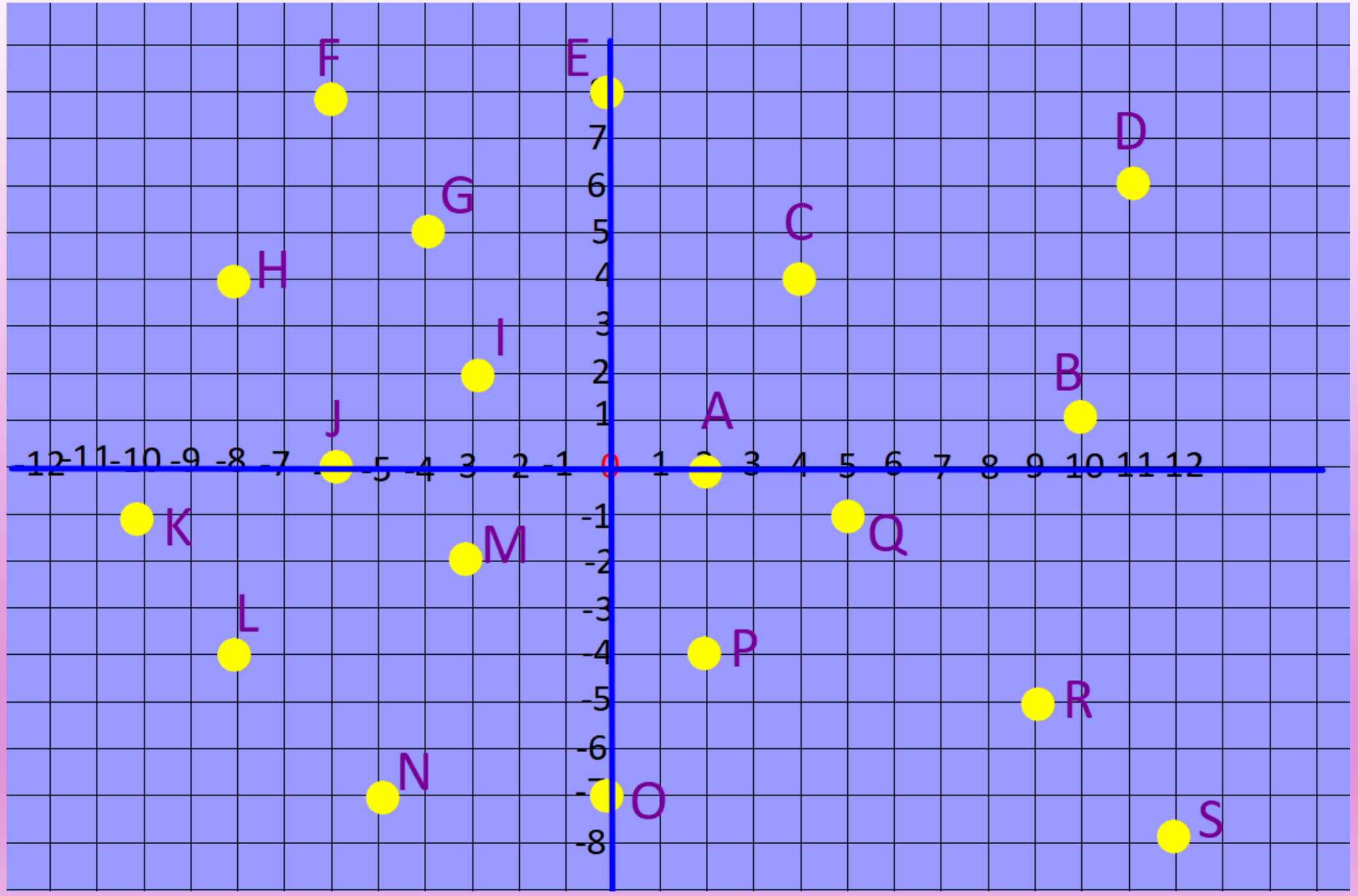
99% = 100% - 1% so 600 – 6 = 594

a) 65% of 540
b) 95% of 180
c) 5% of 3000
d) 15% of 250
e) 55% of 400
f) 60% of 750

LI: to be able to read coordinates in all four quadrants

We have been learning about reading and plotting coordinates this week.

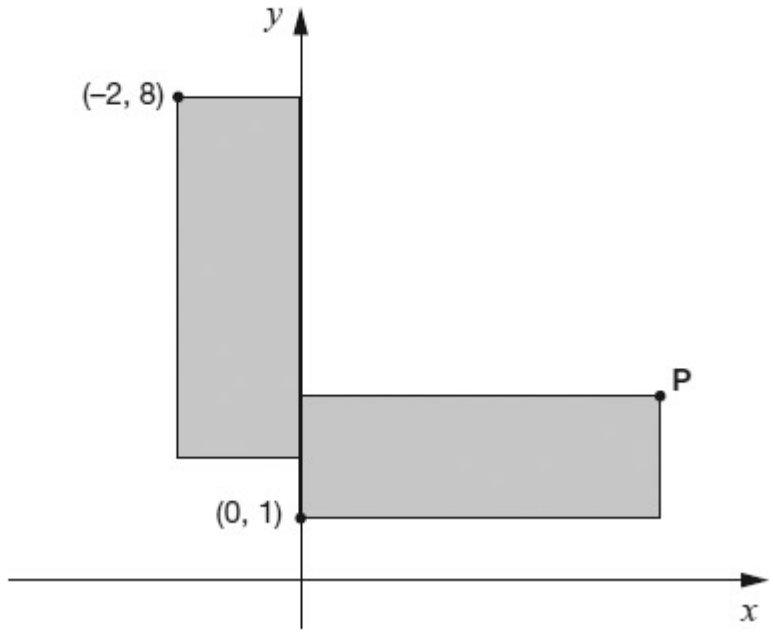
On the next page, list the coordinates of each point.


F
E
D
G
C
H
I
B
J
A
K
Q
M
L
P
R
N
O
S

LI: to be able find coordinates in all four quadrants

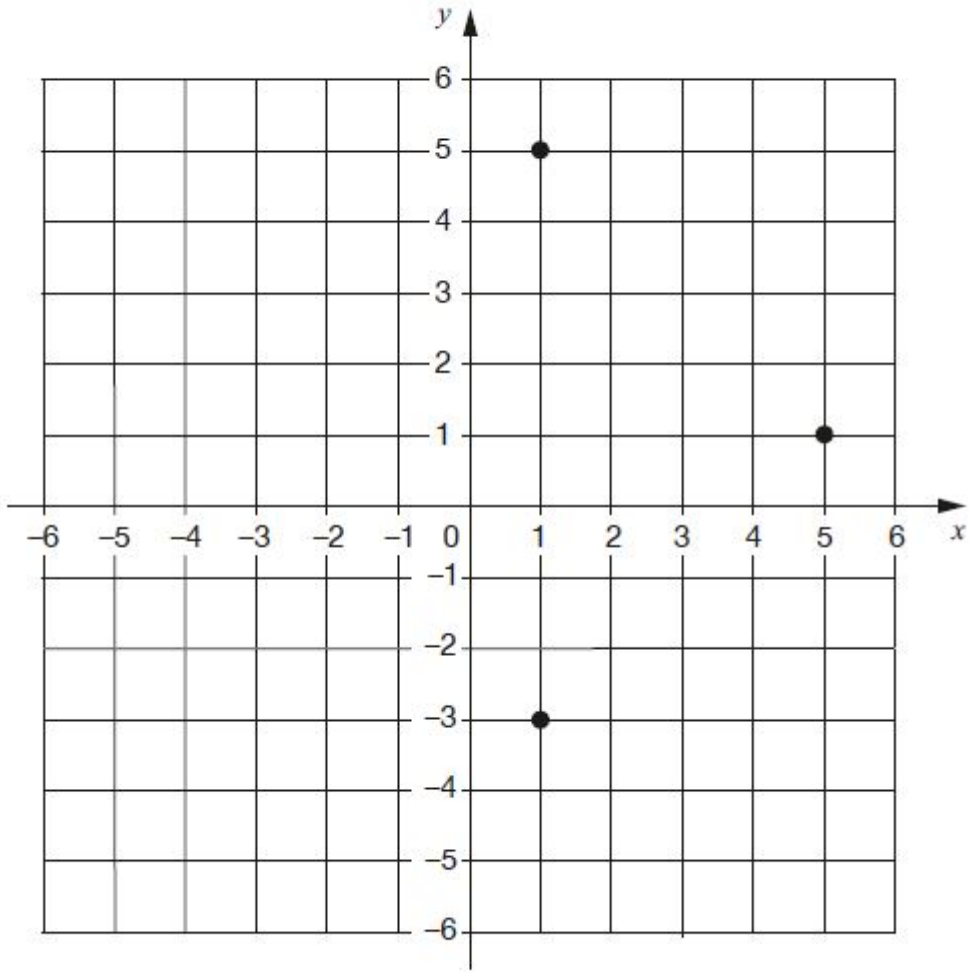
These two rectangles are identical.

The length of each rectangle is **three times** its width.



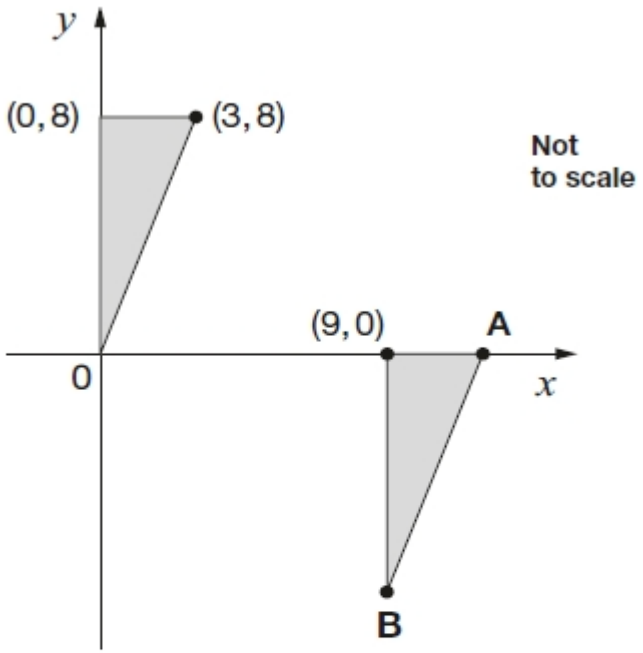
Layla draws a **square** on this coordinate grid.

Three of the vertices are marked.



What are the coordinates of the missing vertex?

Here are two **identical** shaded triangles on coordinate axes.

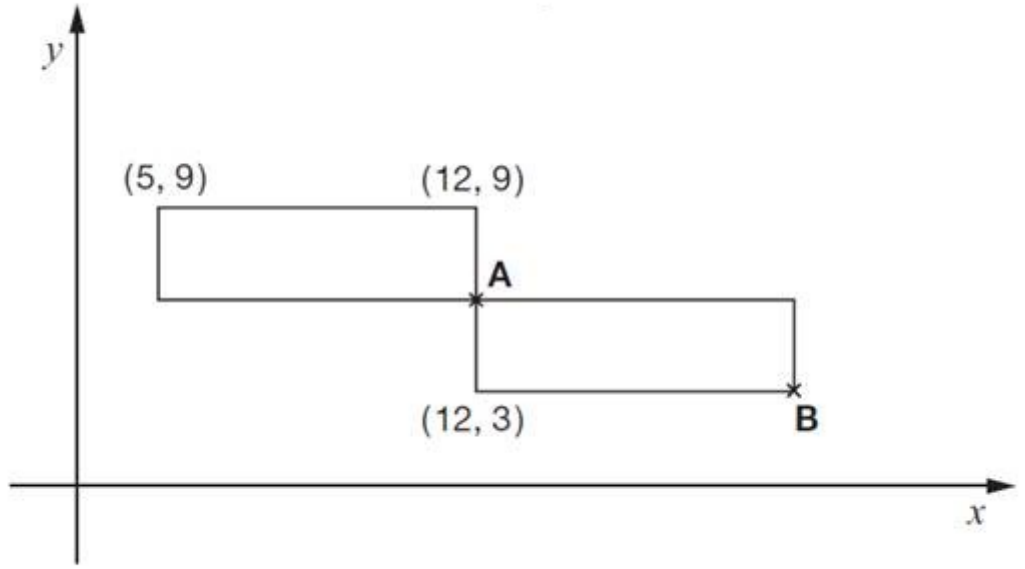


Write the coordinates of points A and B.

A = (,)

B = (,)

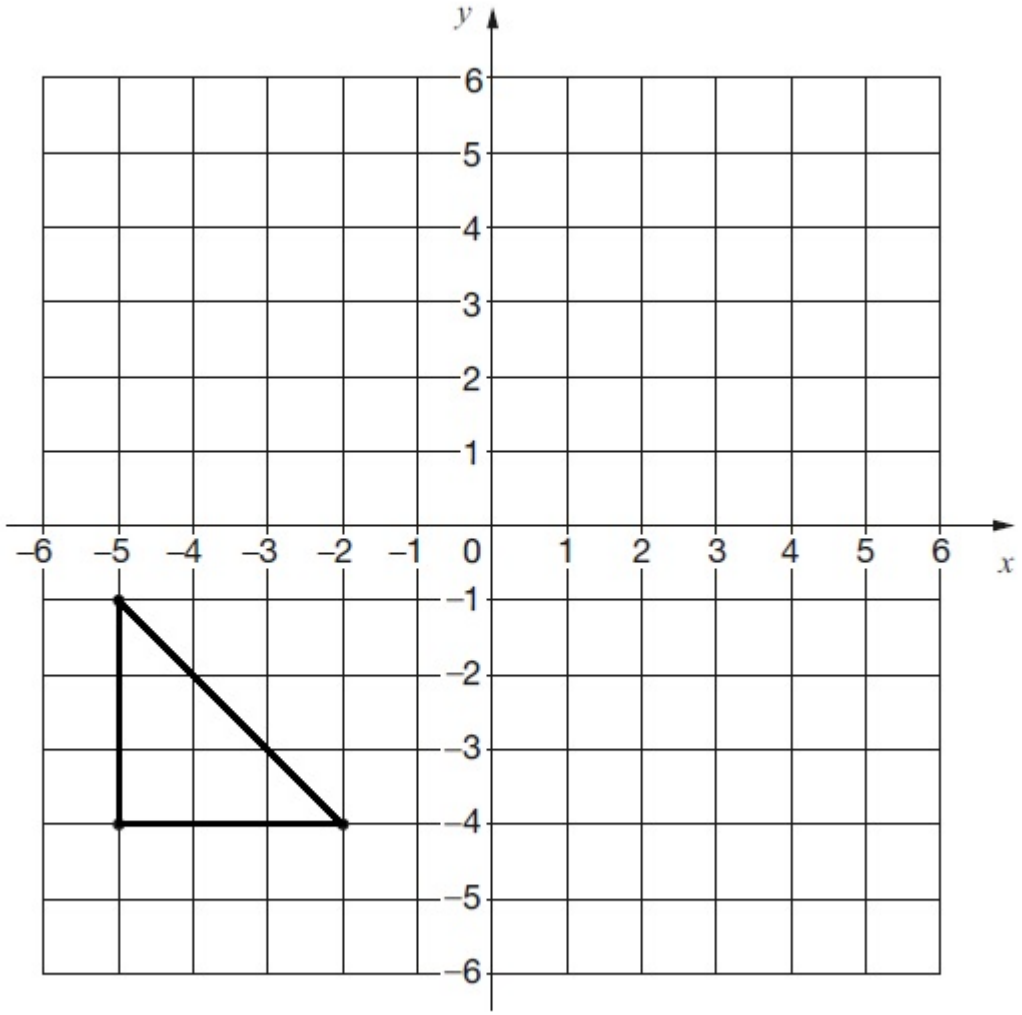
This diagram shows two **identical** rectangles on coordinate axes.



Write the **coordinates** of point **A** and point **B**.

LI: to be able to describe translations around a grid

Here is a triangle drawn on a coordinate grid.



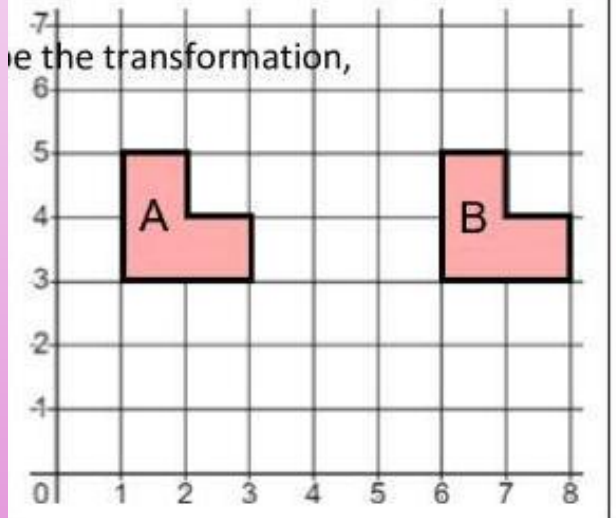
The triangle is translated **7 right** and **5 up**.

Give the coordinates of the translated triangle

LI: to be able to describe translations around a grid

Describe the translation of shape A to shape B

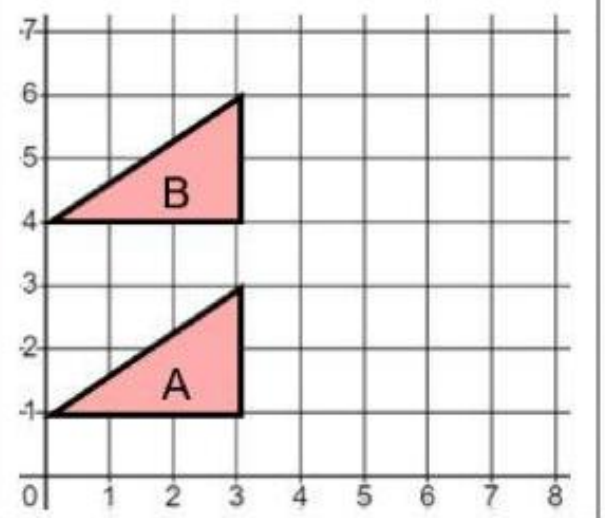
(a)



Triangle A has been translated

☐ units to the ☐

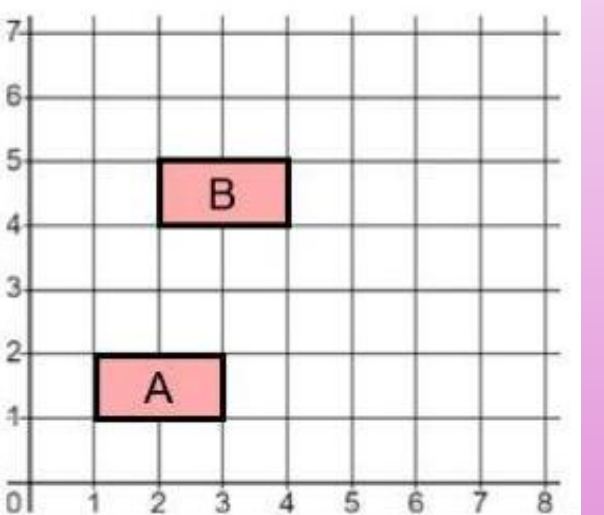
(b)



Triangle A has been translated

☐ units to the ☐

(c)



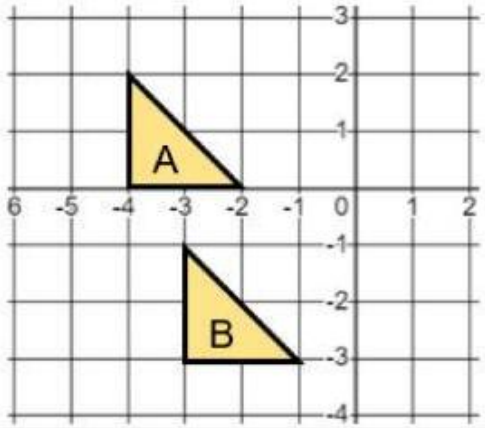
Triangle A has been translated

☐ units to the ☐ and

☐ units ☐

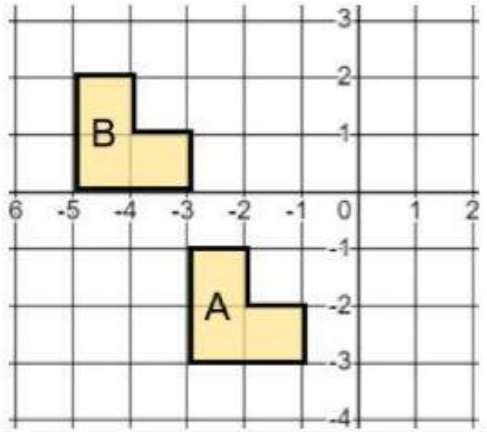
Left
Right
Up
Down

(d)



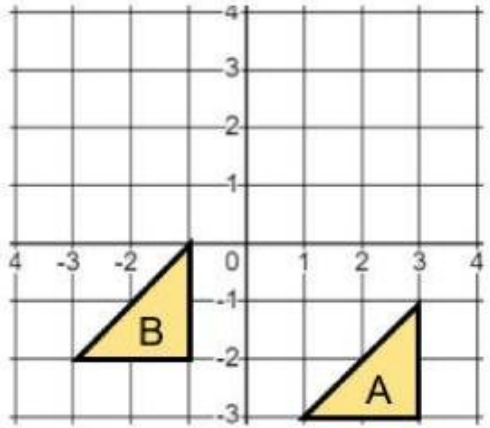
Triangle A has been translated ____ units to the ____ and ____ units ____

(e)



Triangle A has been translated ____ units to the ____ and ____ units ____

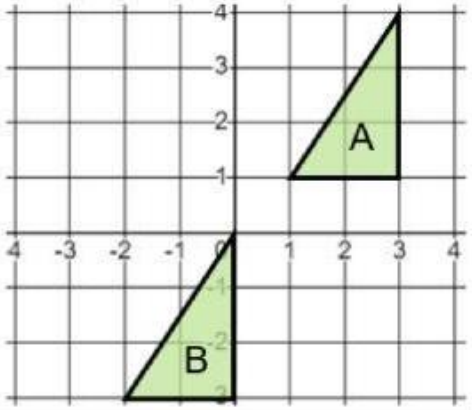
(f)



Triangle A has been translated ____ units to the ____ and ____ units ____

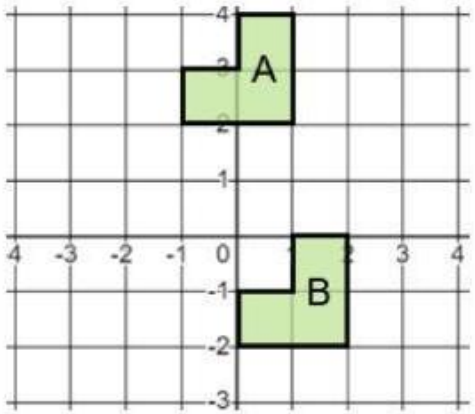
Left
Right
Up
Down

(g)



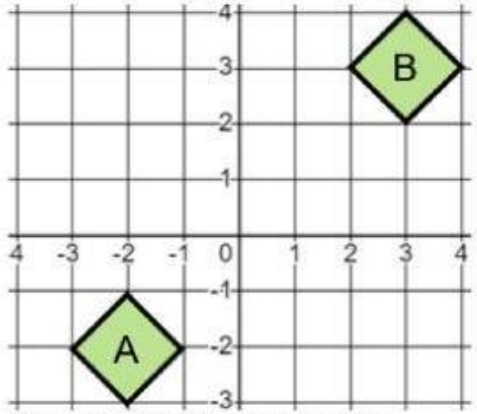
Triangle A has been translated ____ units to the ____ and ____ units ____

(h)



Describe the transformation,

(i)



Describe the transformation,

Remember to bring any questions about the work into Tuesday's lesson.

Have a wonderful long weekend!