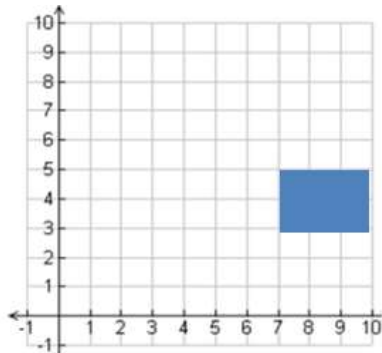


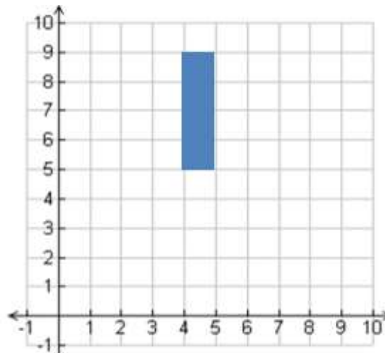
Week 5: Maths homework due in 5th December 2016

Translating shapes.

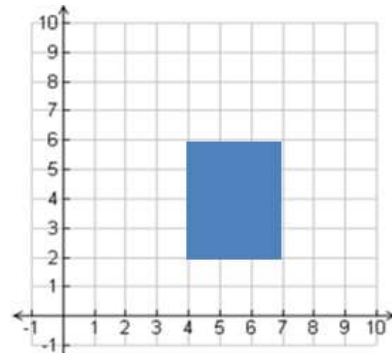
BRONZE



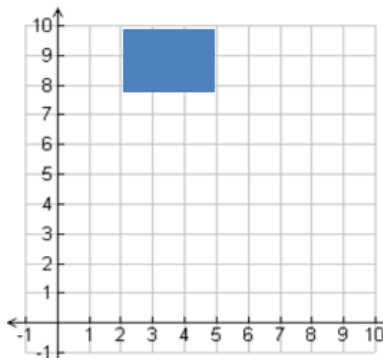
Translate 5 squares left
and 4 squares up.



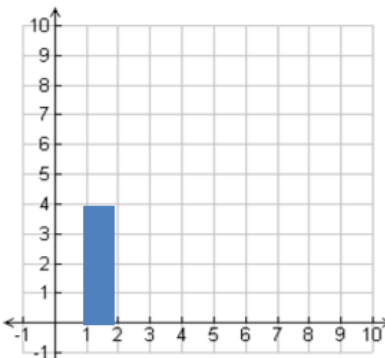
Translate 3 squares right
and 3 squares down.



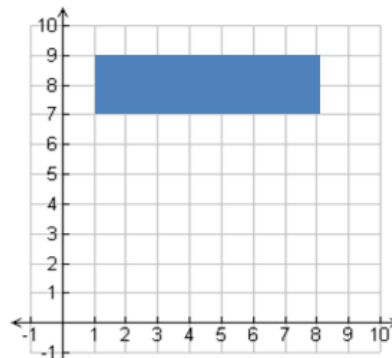
Translate 2 squares left
and 3 squares up.



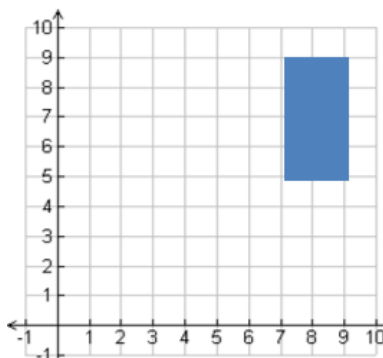
Translate 1 square left
and 7 squares down.



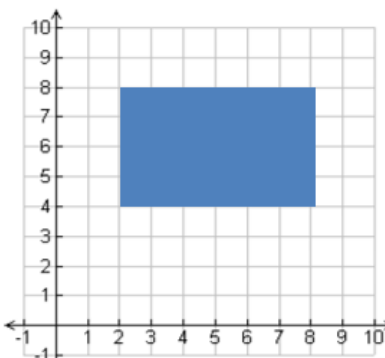
Translate 8 squares right
and 4 squares up.



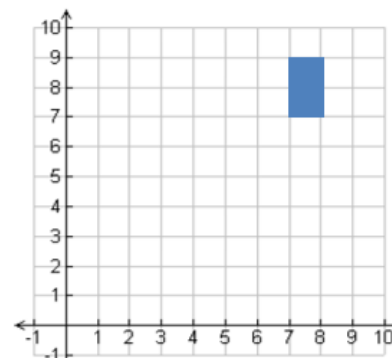
Translate 2 squares right
and 6 squares down.



Translate 5 square left
and 3 squares down.

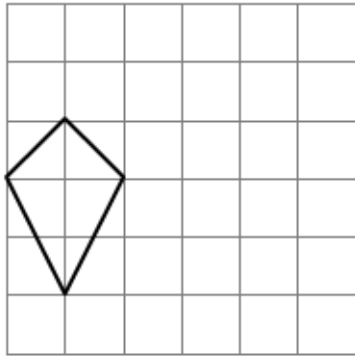


Translate 0 squares right
and 4 squares down.

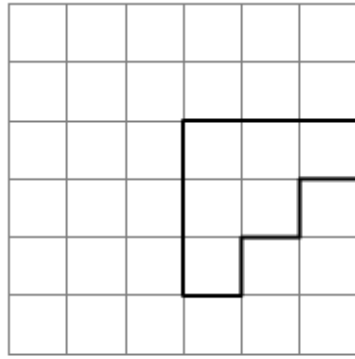


Translate 5 squares left
and 6 squares down.

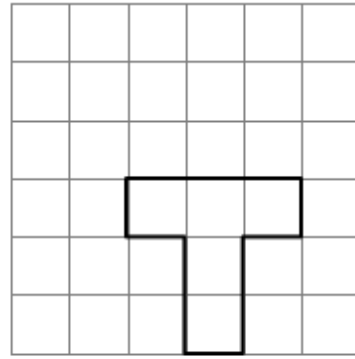
SILVER



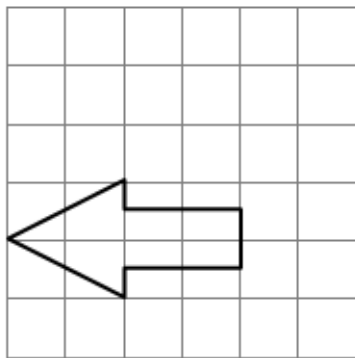
Right 4, Down 1



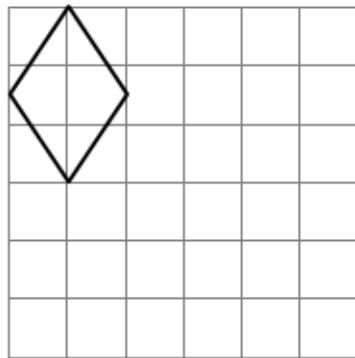
Left 2, Down 1



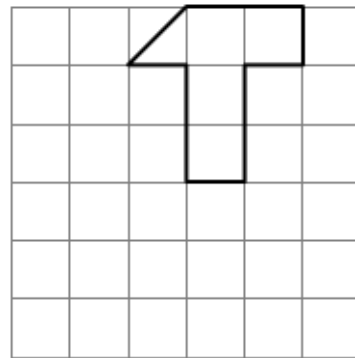
Right 2, Up 2



Right 0, Up 3

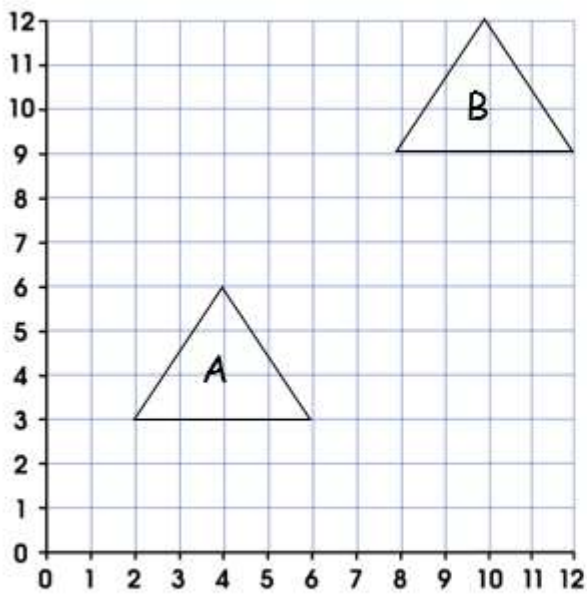


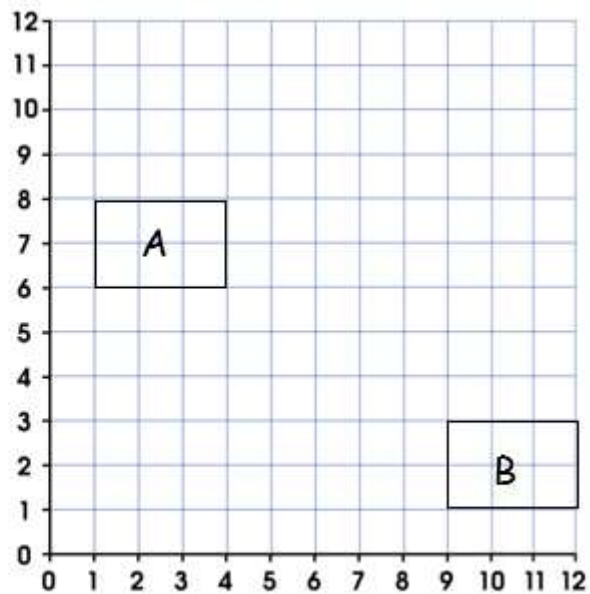
Right 2, Down 1



Left 1, Down 1

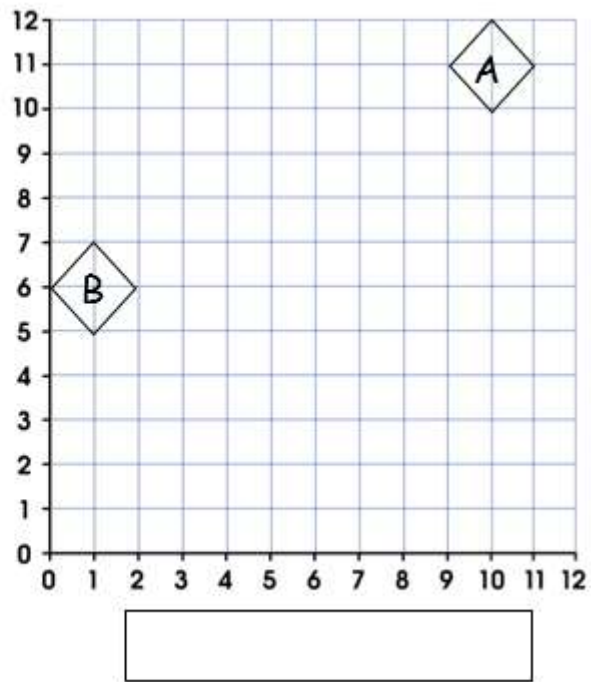
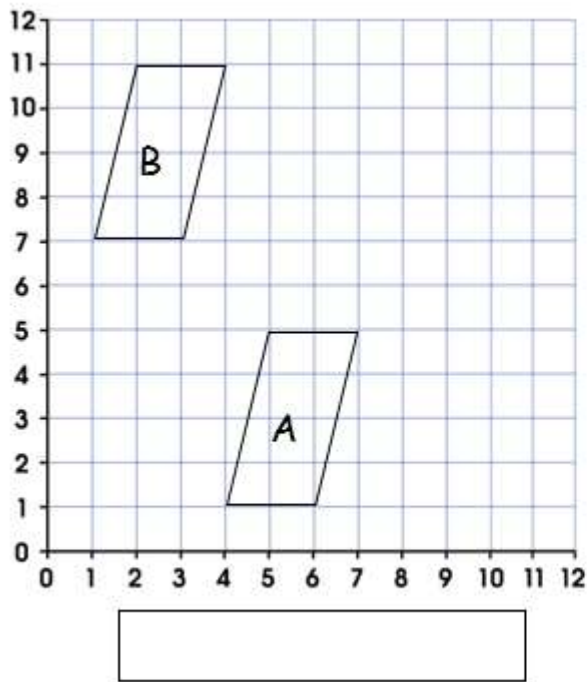
Write the translation for shape A to shape B (e.g. right 3, up 2)





GOLD

Write the translation for shape A to B (e.g. right 3, up 2).



1) Translate the triangle ABC by the vector $\begin{pmatrix} 4 \\ 3 \end{pmatrix}$.
Give the coordinates of the image point A'

2) Fully describe the single transformation from the triangle ABC to its image

