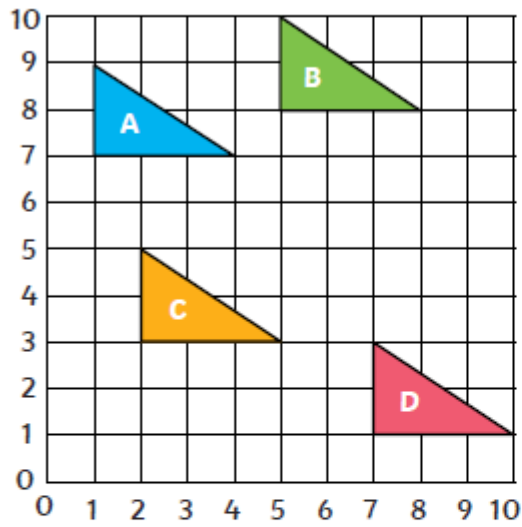


Four identical triangles are shown on this coordinate grid.



1) Complete the description of the following translations:

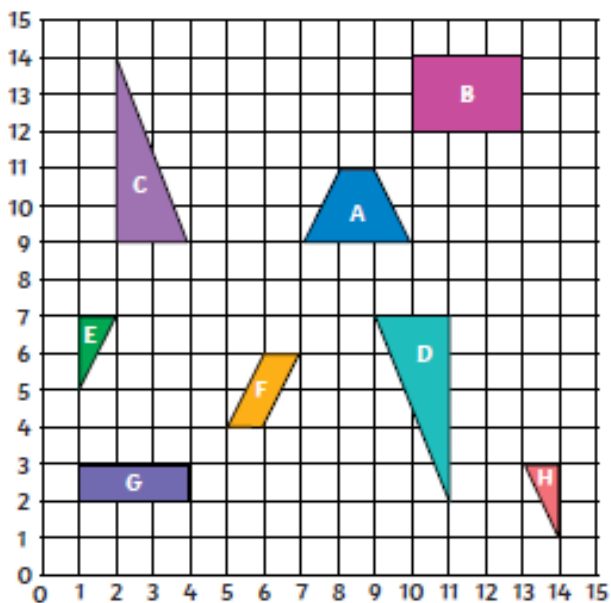
a) triangle A to triangle B = \_\_\_\_\_

b) triangle B to triangle C = \_\_\_\_\_

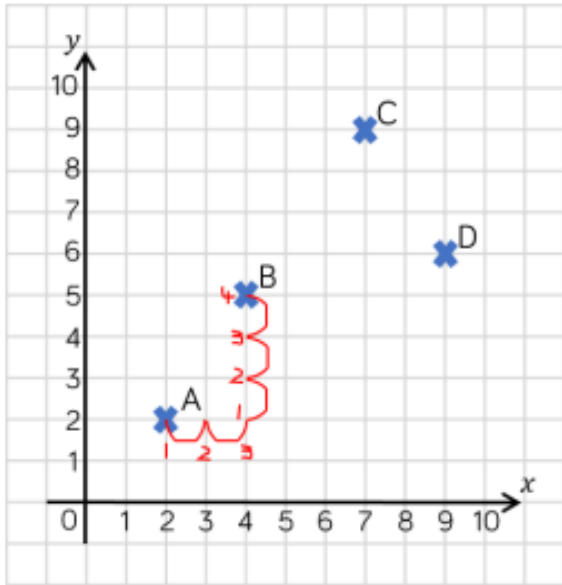
c) triangle C to triangle D = \_\_\_\_\_

Describe the translations you could do to piece together the shapes to make new shapes.

For example, triangle E could translate right 4, down 1 to make a trapezium with parallelogram F.



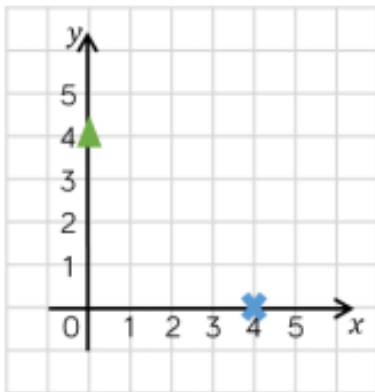
Tommy has described the translation from A to B as 3 right and 4 up.



Can you explain his mistake?

▲ to ✕ is 4 right and 4 down.

✕ to ▲ is 4 left and 4 up.



Can you plot other pairs of points where to move between them, you travel the same to left or right as you travel up or down?

What do you notice about the coordinates of these points?