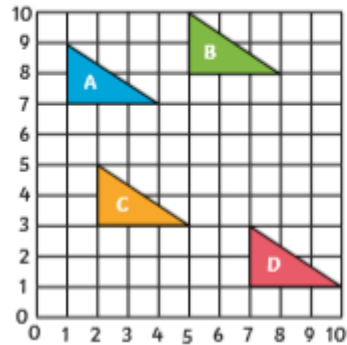


## Challenge 2

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 > \_\_\_\_\_

2) Describe a different translation. Can your partner identify which triangles' positions you are describing?

\_\_\_\_\_



Translating a shape right 5, up 4 is the same as translating a shape right 4 and up 5.



1) Do you agree?

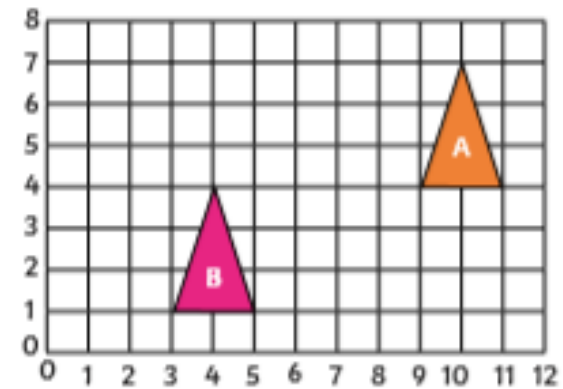
\_\_\_\_\_



Triangle A has been translated left 4, down 6 to become triangle B.

2) Do you agree? Explain your reasoning.

\_\_\_\_\_



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.

