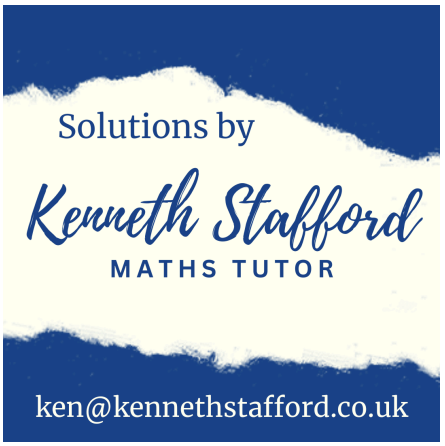
Name: SOLUTIONS

GCSE (1 - 9)

Translations



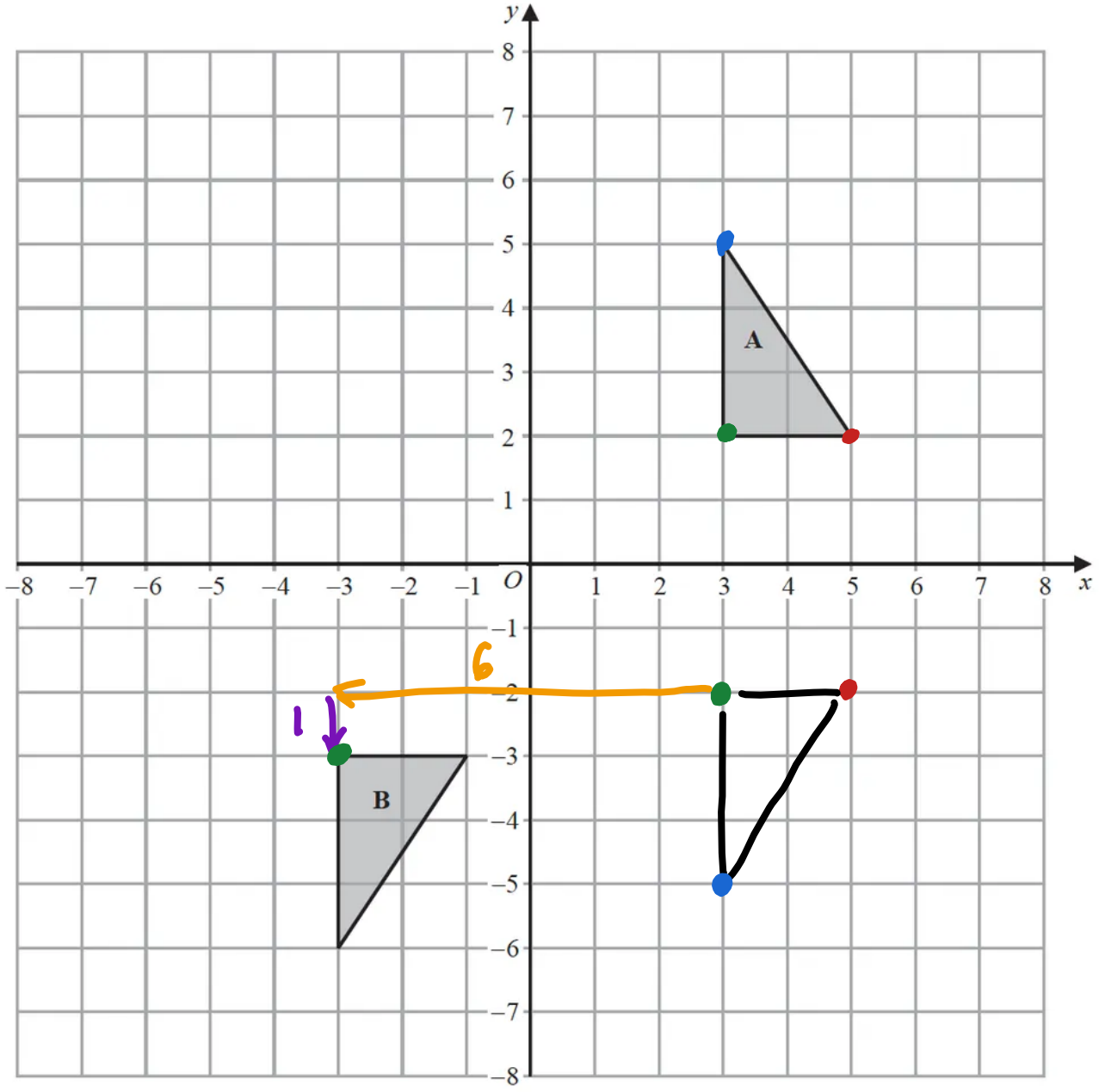


These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2023*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Summer 2019, Paper 1F, Q26
2	Edexcel, GCSE, Autumn 2017, Paper 2F, Q20
3	Edexcel, GCSE, Summer 2022, Paper 2F, Q22

Translations (Past Paper Questions)

1



Shape **A** can be transformed to shape **B** by a reflection in the x-axis followed by a translation $\begin{pmatrix} c \\ d \end{pmatrix}$

Find the value of c and the value of d.

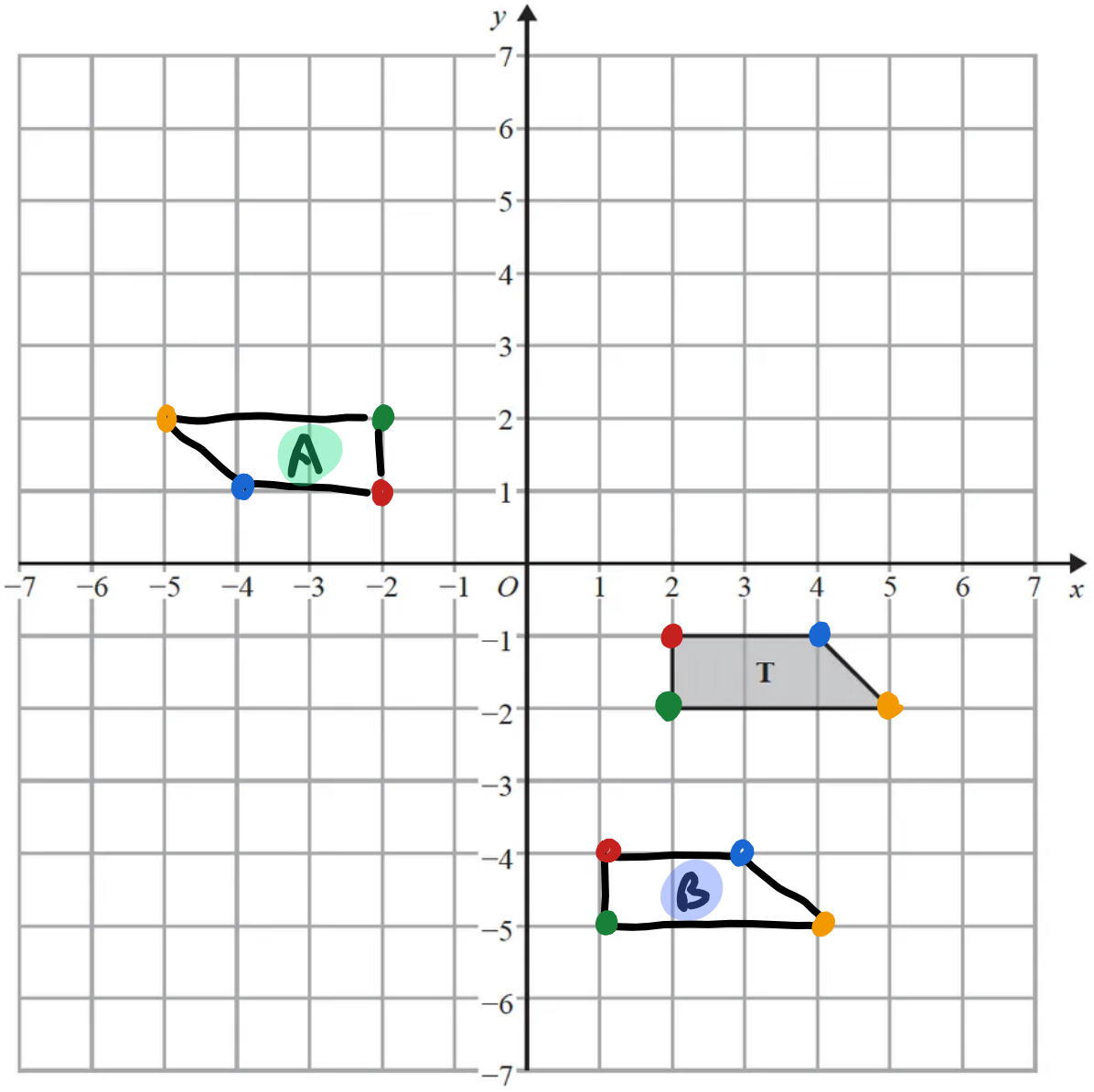
$c =$ -6

$d =$ -1

(Total for Question 26 is 3 marks)

[Edexcel, GCSE, Summer 2019, Paper 1F, Q26]

2



(a) Rotate trapezium **T** 180° about the origin.
Label the new trapezium **A**.

(1)

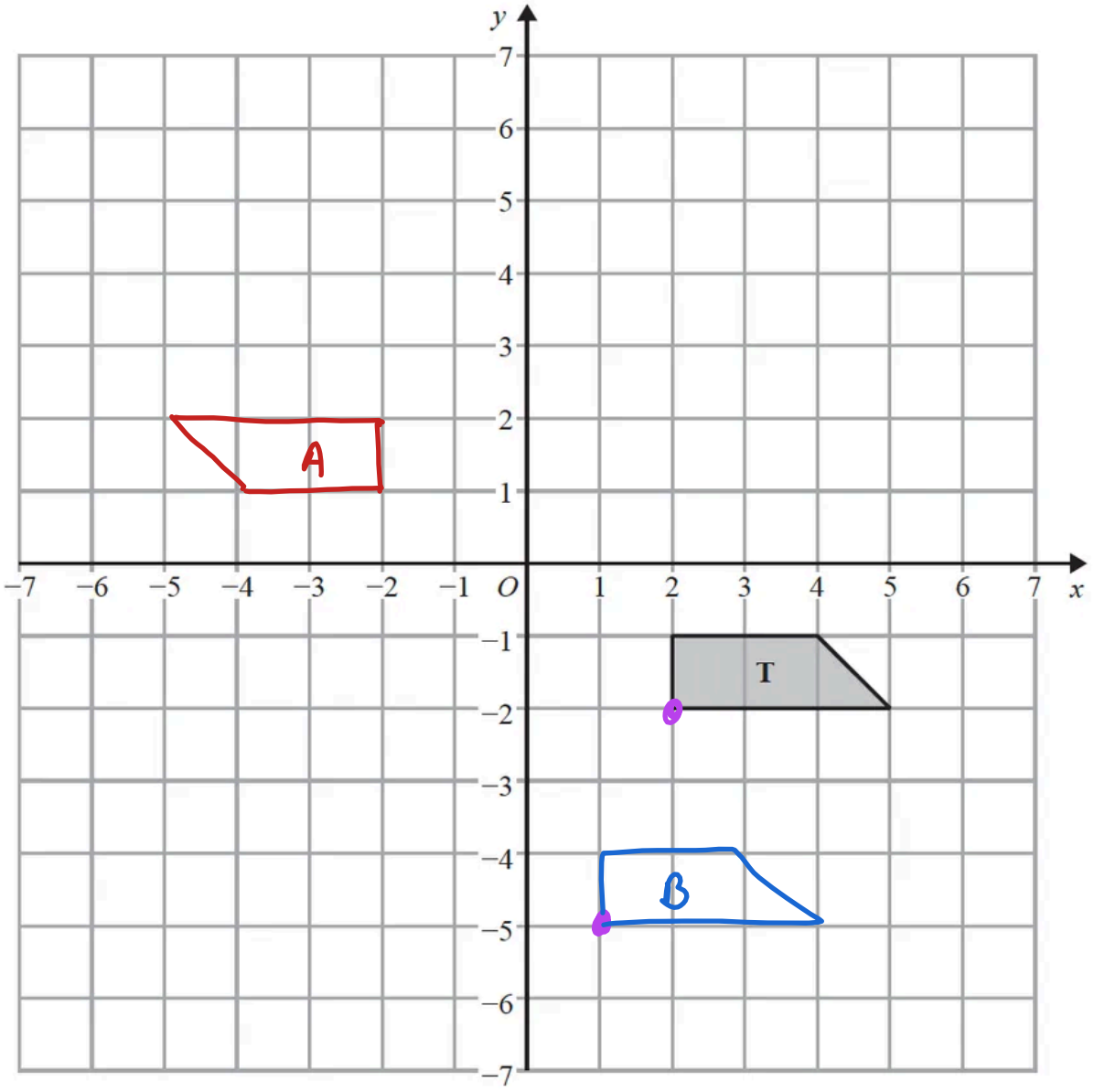
(b) Translate trapezium **T** by the vector $\begin{pmatrix} -1 \\ -3 \end{pmatrix}$
Label the new trapezium **B**.

(1)

(Total for Question 20 is 2 marks)

[Edexcel, GCSE, Autumn 2017, Paper 2F, Q20]

2



(a) Rotate trapezium **T** 180° about the origin.
Label the new trapezium **A**.

(1)

(b) Translate trapezium **T** by the vector $\begin{pmatrix} -1 \\ -3 \end{pmatrix}$
Label the new trapezium **B**.

(1)

(Total for Question 20 is 2 marks)

[Edexcel, GCSE, Autumn 2017, Paper 2F, Q20]