

**Vectors – GCSE Mathematics**

1. No.3

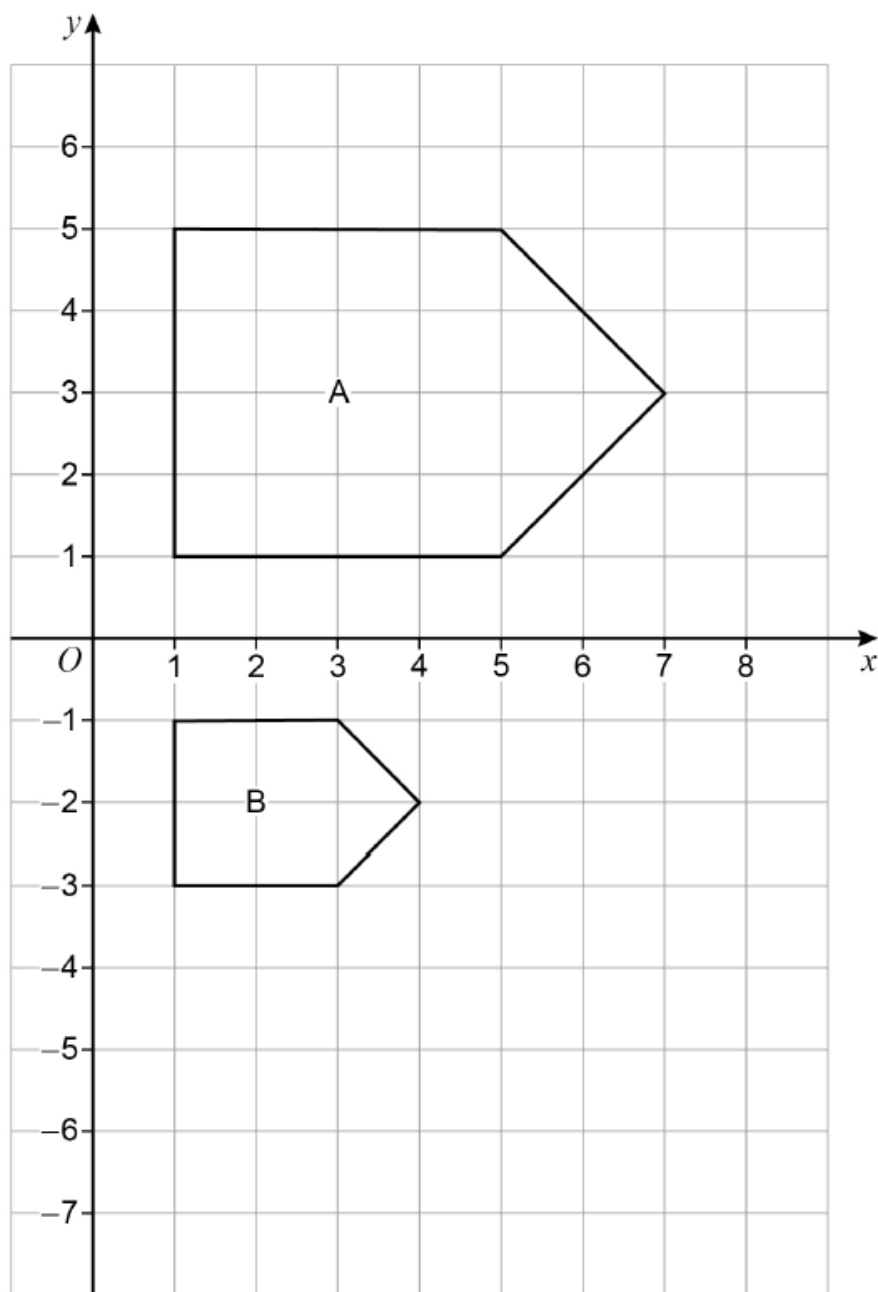
The vector  $\begin{pmatrix} -3 \\ 7 \end{pmatrix}$  translates A to B.

Write down the vector that translates B to A.

**[1 mark]**

Answer  $\begin{pmatrix} \phantom{0} \\ \phantom{0} \end{pmatrix}$

2. No.11



Describe fully the **single** transformation that maps shape A to shape B.

[3 marks]

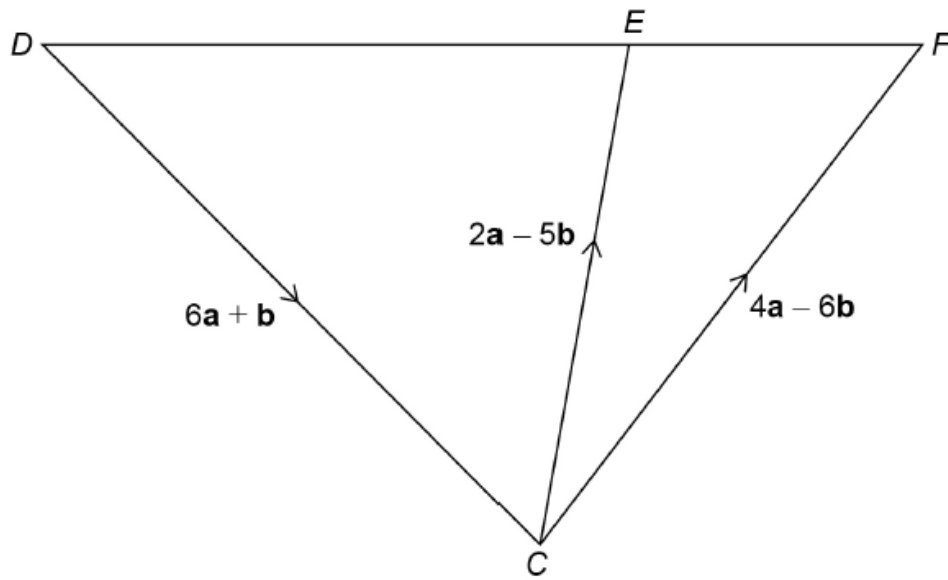
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3. No.23

Not drawn  
accuratelyProve that  $DEF$  is a straight line.

[4 marks]

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