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(a) Describe fully the **single** transformation that maps

    (i) triangle *A* onto triangle *B*,

    ....

    .... [3]

    (ii) triangle *A* onto triangle *C*.

    ....

    .... [3]

(b) Draw the image of triangle *A* after a translation by the vector $\begin{pmatrix} -5 \\ -10 \end{pmatrix}$.   [2]

(c) Draw the image of triangle *A* after a reflection in the line $y = 4$.   [2]