

Name -

Start time - _ _ : _ _

End time - _ _ : _ _

10

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8

g

Solve the following

by the vector $\begin{pmatrix} 5\\ -3 \end{pmatrix}$

Copy the diagrams below, then translate each shape by the 1. vector written next to it.



3



2 4 6 3. The triangle DEF has vertices D(-3, -2), E(1, -1) and F(0, 2). The

triangle GHI has vertices G(0, 2), H(4, 3) and I(3, 6). Give the vector that describes the translation that maps DEF onto GHI.

4. Shape W is the image of shape Z after the translation $\begin{pmatrix} 1 \\ -4 \end{pmatrix}$. Write the translation that maps shape W onto shape Z as a vector.

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6