













Point on Image

A point on an image and a transformation are given. Find the corresponding point on the original figure.

Point on image: (4,0); transformation: $(x, y) \rightarrow (x+2, y-3)$

Point on image: (6, -9); transformation: $(x, y) \rightarrow (x-7, y-4)$





The vertices of $\triangle DEF$ are D(-1,3), E(4,2), and F(1,-2). The rule $(x,y) \longrightarrow (x-2,y+4)$ was used to translate $\triangle DEF$ to $\triangle XYZ$. Show that $\triangle DEF \cong \triangle XYQ$ to verify that the translation is a congruence transformation.





