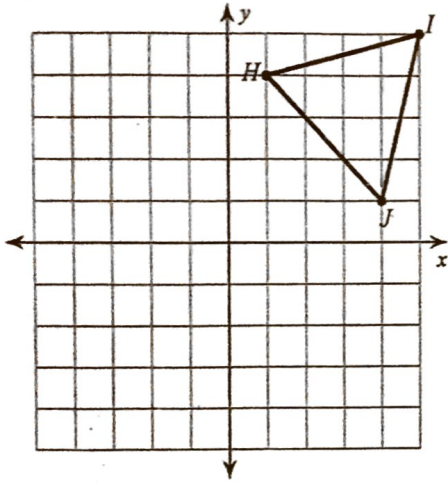


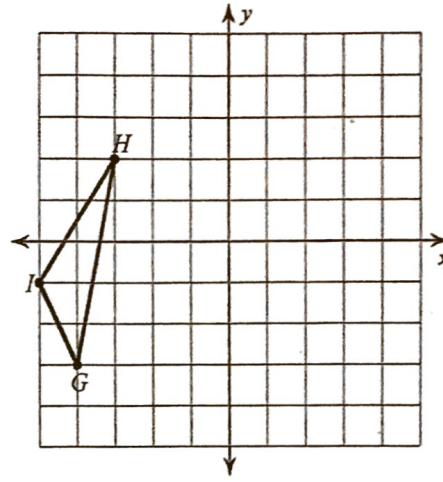
HW 1.3

Graph the image of the figure using the transformation given.

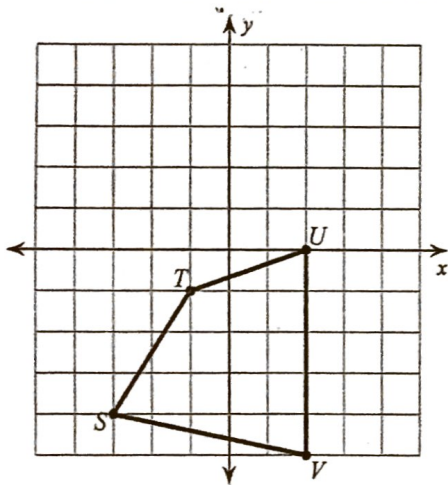
1) translation: 2 units left and 5 units down



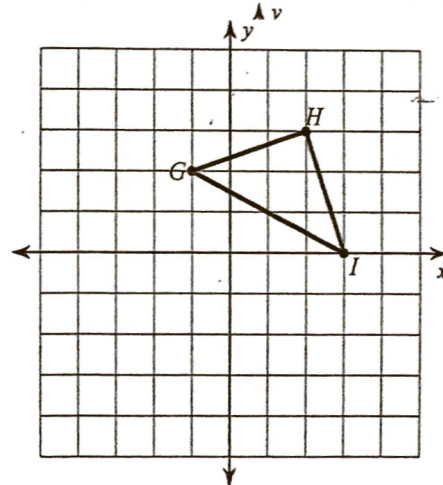
2) rotation 180° about the origin



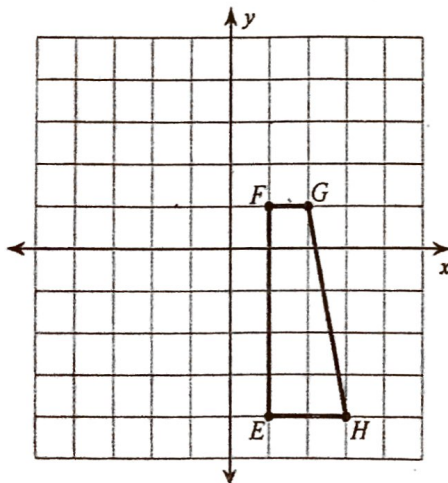
3) rotate 90 degrees counterclockwise about the origin to create $V'S'T'U'$ then translate it 5 units to the left



4) Translate GHI 3 units to the left and 3 units down to create $G'H'I'$ then reflect $G'H'I'$ across the x-axis to create $G''H''I''$.



5) Reflect the image across the y-axis to create $E'F'G'H'$. Then rotate the image 90 degrees clockwise to create $E''F''G''H''$



6) Rotate the image 180 degrees to create $R'S'Q'$ then translate it 3 units to the left to create $R''S''Q''$.

