

Line Reflections

On the accompanying grid, graph $\triangle ABC$ with coordinates $A(2, 3)$, $B(1, 6)$, and $C(4, 4)$.

On the same set of axes, graph and state the coordinates of each image:

$$r_{x\text{-axis}}(\triangle ABC) = \triangle A'B'C'$$

$$r_{y\text{-axis}}(\triangle ABC) = \triangle A''B''C''$$

$$r_{x=4}(\triangle ABC) = \triangle A'''B'''C'''$$

$$r_{y=x}(\triangle ABC) = \triangle DEF$$

$$r_{y=-x}(\triangle ABC) = \triangle JKL$$

