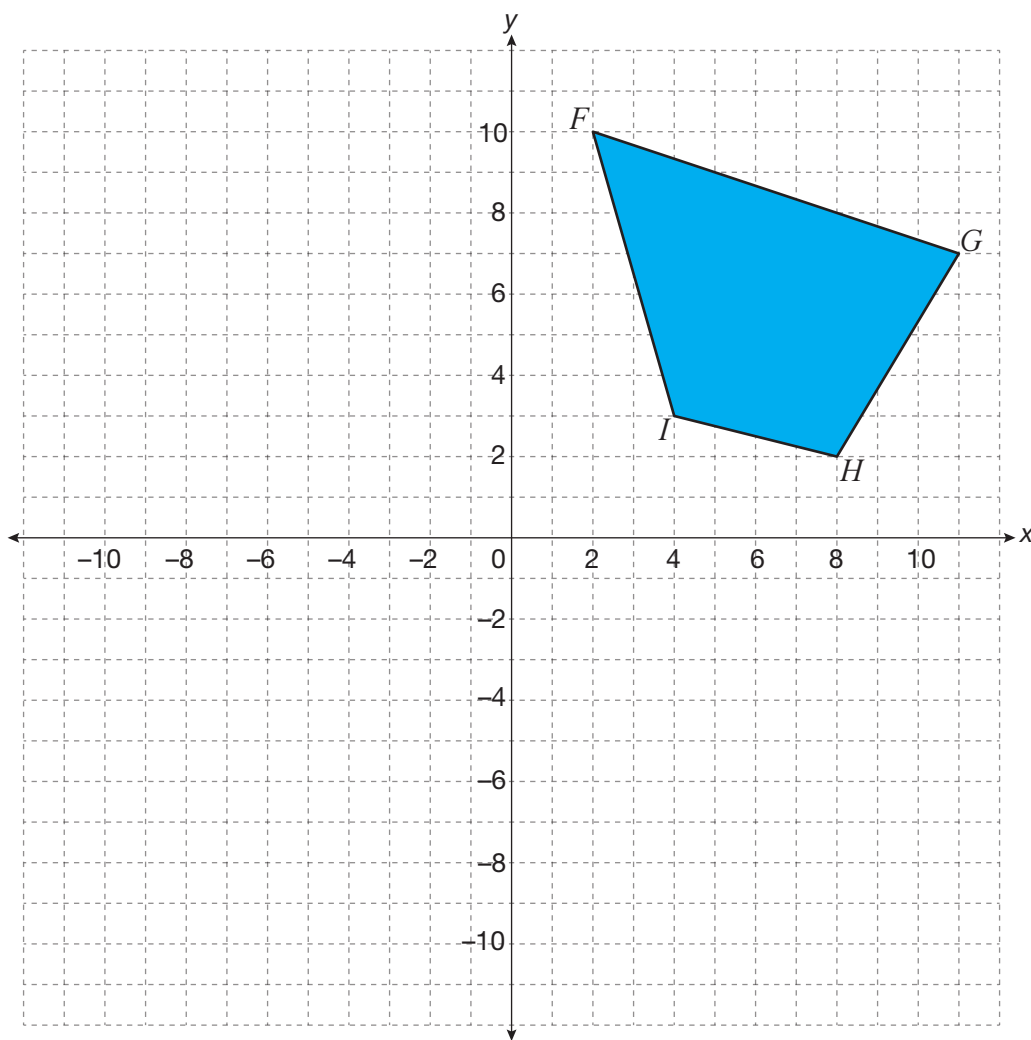




## Practice – Part 2

**Instructions:** Answer each of the following practice questions on a separate piece of paper. Step by step solutions are provided under the Solutions tab. You will learn the material more thoroughly if you complete the questions before checking the answers under the Solutions tab in Moodle.

1. a. Rotate quadrilateral  $FGHI$   $180^\circ$  and then reflect image  $F'G'H'I'$  in the  $x$ -axis. State the coordinates of each vertex for the image,  $F''G''H''I''$ .



- b. Instead of performing two transformations – a rotation and then reflection – what single transformation could be applied to quadrilateral  $FGHI$  produce quadrilateral  $F''G''H''I''$ ?