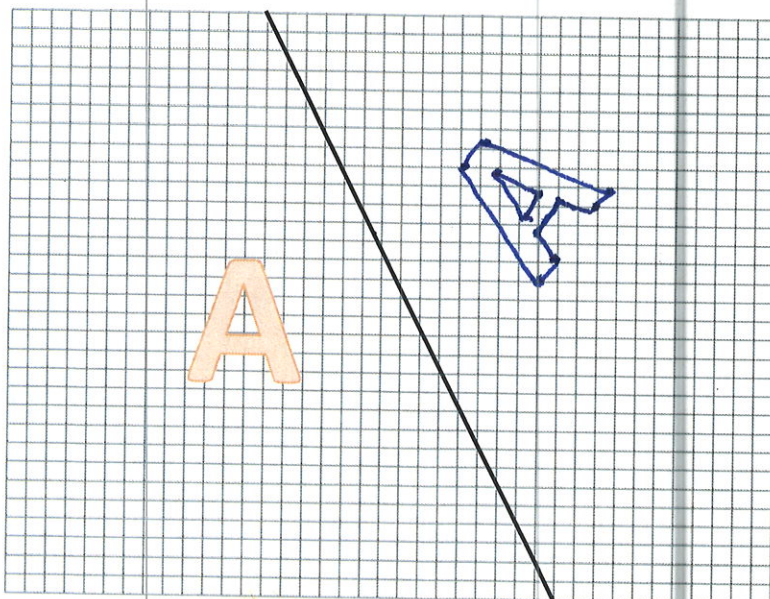
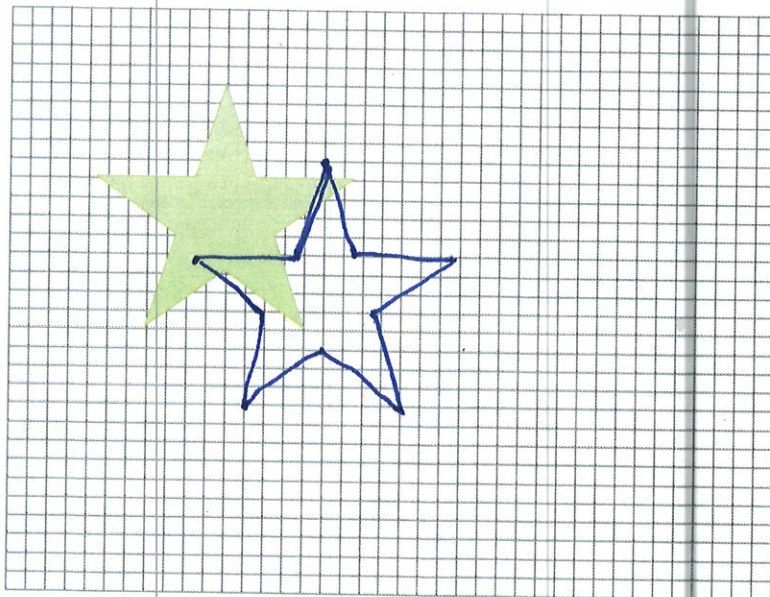


**Instructions:** Show all work. Use exact answers unless otherwise directed to round.

1. Use the graphs below to perform the following rigid motions on the given shapes.
  - a. Reflection



- b. Translation by  $\vec{v} = \langle 5, -4 \rangle$



c. Rotate by  $45^\circ$ .

