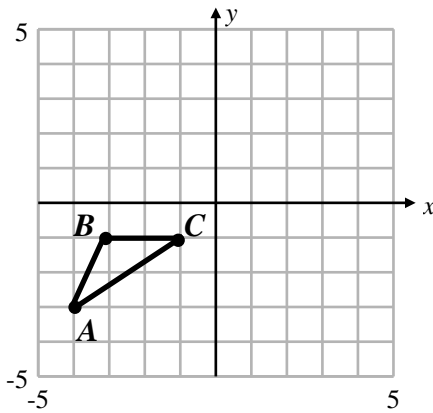


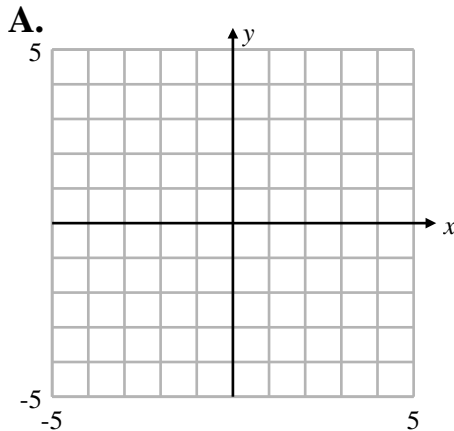


Transformations: Classwork



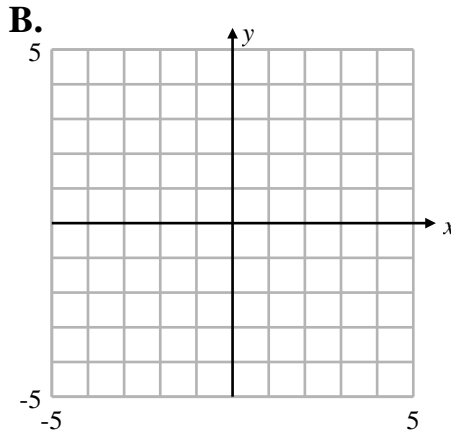
Sketch the graph of $\Delta A'B'C'$ for each of the following transformations listed below, using the ΔABC . Draw the original triangle and your newly transformed triangle on each grid.

- A. Reflect ΔABC over the x -axis
- B. Reflect ΔABC over the y -axis
- C. Translate it by $(4, 3)$
- D. Rotate it 180° counter clockwise about the origin
- E. Rotate it 90° clockwise about the origin



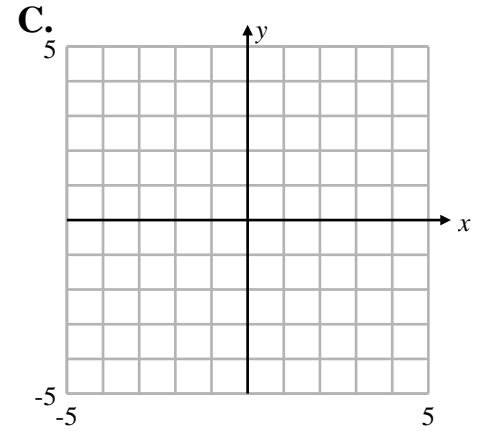
A _____ B _____ C _____

A' _____ B' _____ C' _____



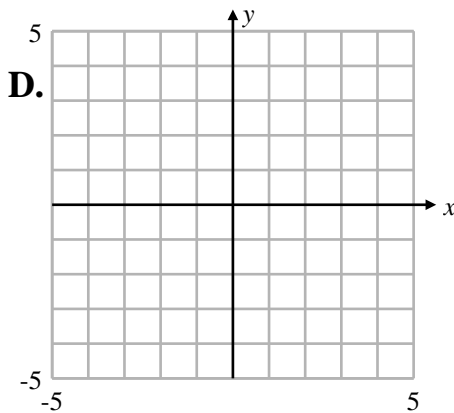
A _____ B _____ C _____

A' _____ B' _____ C' _____



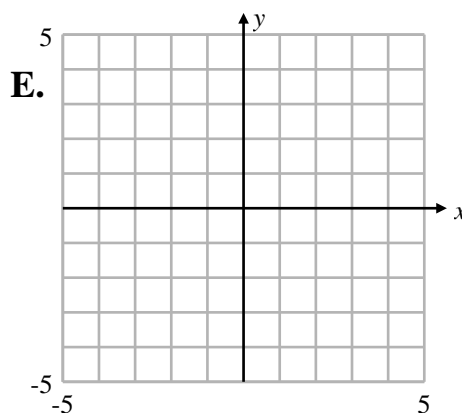
A _____ B _____ C _____

A' _____ B' _____ C' _____



A _____ B _____ C _____

A' _____ B' _____ C' _____



A _____ B _____ C _____

A' _____ B' _____ C' _____

F.

a) After reflection, it appears that ΔABC IS or IS NOT congruent to $\Delta A'B'C'$.

b) After translation, it appears that ΔABC IS or IS NOT congruent to $\Delta A'B'C'$.

c) After rotation, it appears that ΔABC IS or IS NOT congruent to $\Delta A'B'C'$.