# Transformations
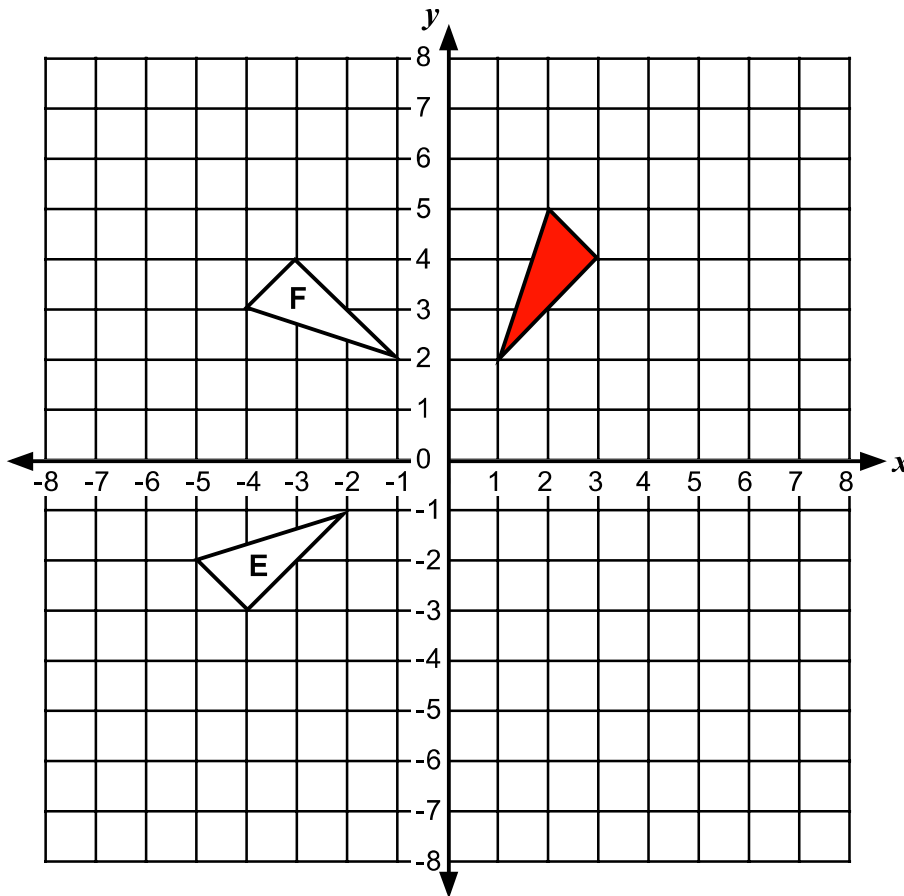


1. Draw the shaded triangle after:
   a) It has been translated −7 horizontally and +1 vertically. Label your answer *A*.
   b) It has been reflected over the *x*-axis. Label your answer *B*.
   c) It has been rotated 90° clockwise around the origin. Label your answer *C*.
   d) It has been reflected over the line *y* = *x*. Label your answer *D*.

2. Describe fully the single transformation that:
   a) Takes the shaded triangle onto the triangle labeled *E*.

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   b) Takes the shaded triangle onto the triangle labeled *F*.

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3. Describe a single transformation that has the same effect as rotating a shape 90° clockwise around the origin, then reflecting the result over the $x$-axis.