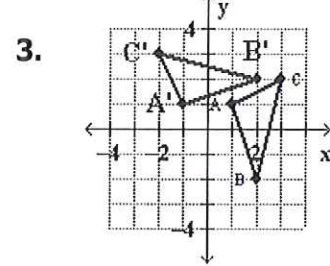
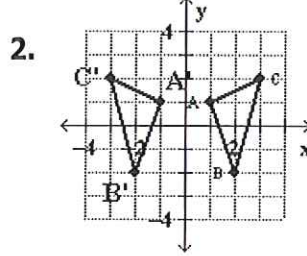
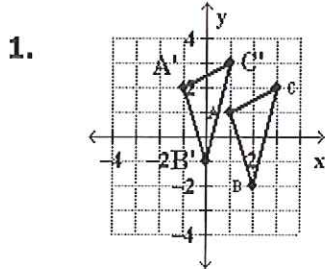


Practice Quiz Transformations: Translations, Reflections, & Rotations Name: key

For 1–3, write a rule to describe the transformation pictured. Don't forget "(,)" .



#1 answer: $(x - 2, y + 1)$

#2 answer: $(-x, y)$

#3 answer: $(-y, x)$

For 4–6, perform the indicated transformation, label it, and give the image coordinates.

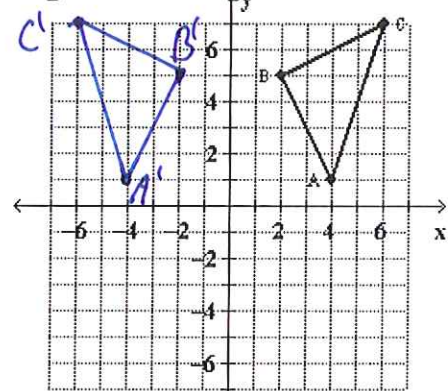
4. Reflect the triangle over the y-axis.

Image coordinates:

Point 1 : $A' (-4, 1)$

Point 2 : $B' (-2, 5)$

Point 3 : $C' (-6, 7)$



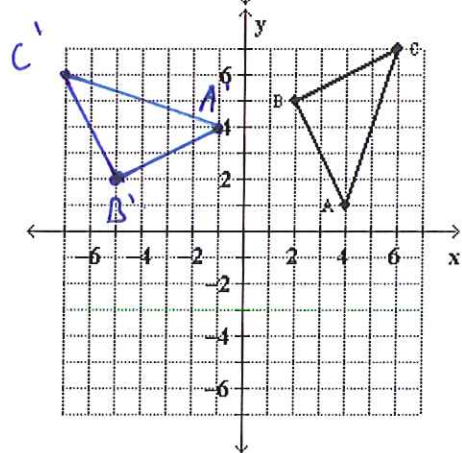
5. Rotate the triangle about the origin 90° counter clockwise.

Image coordinates:

Point 1 : $A' (-1, 4)$

Point 2 : $B' (-5, 2)$

Point 3 : $C' (-7, 6)$



6. Translate the triangle ← 2 units and ↓ 5 units.

Image coordinates:

Point 1 : $A' (2, -4)$

Point 2 : $B' (0, 0)$

Point 3 : $C' (4, 2)$

