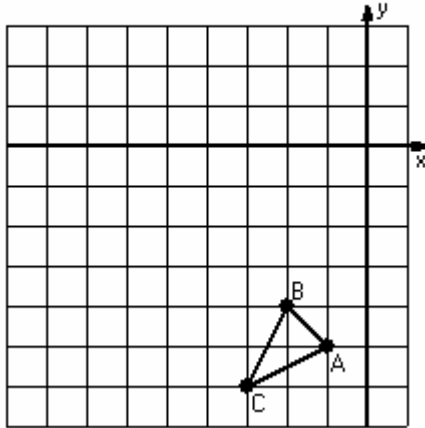


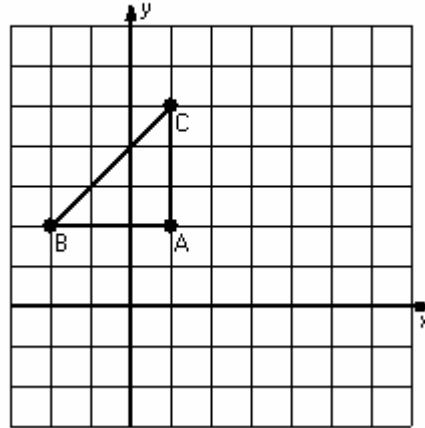
Three-Step Transformations

Instructions: Transform each triangle three times using the instructions in the order given.
Draw and label each transformation.

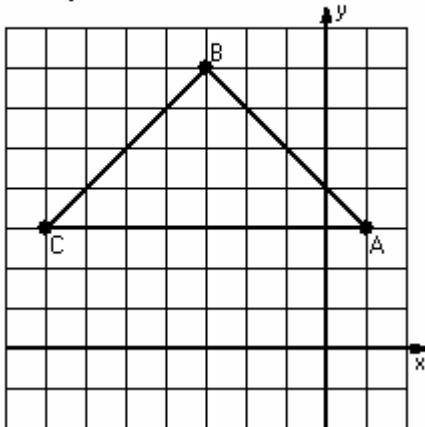
- 1) Translation (1,4)
Reflection $y = -3$
Rotation 180° , center $R(-3,-2)$



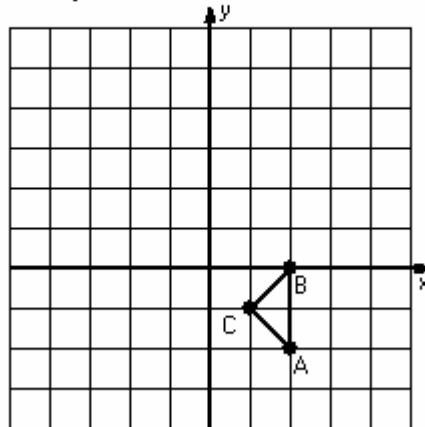
- 2) Dilation scale = $1/3$, center $D(4,2)$
Reflection $x = 1$
Translation (3,-2)



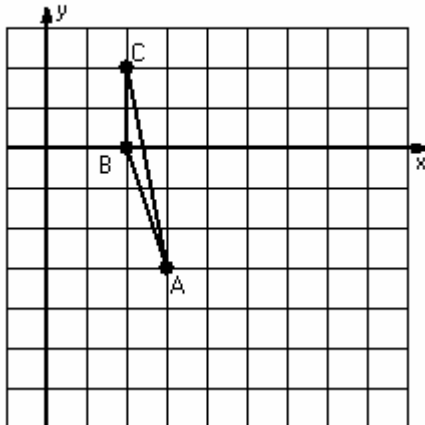
- 3) Dilation scale = $1/4$, center $D(-3,3)$
Translation (-3,-2)
Reflection $y = 3$



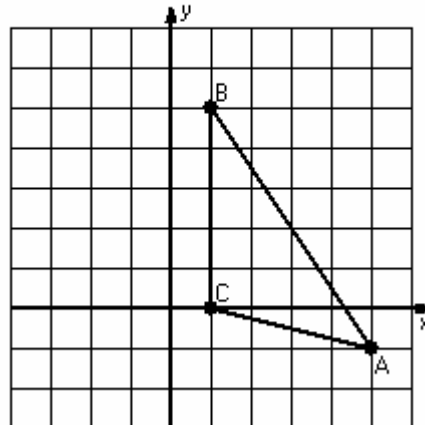
- 4) Translation (-2,3)
Rotation 90° counterclockwise, center $R(2,0)$
Reflection $y = 0$



- 5) Translation (1,0)
Rotation 180° , center $R(2,-1)$
Reflection $x = 4$



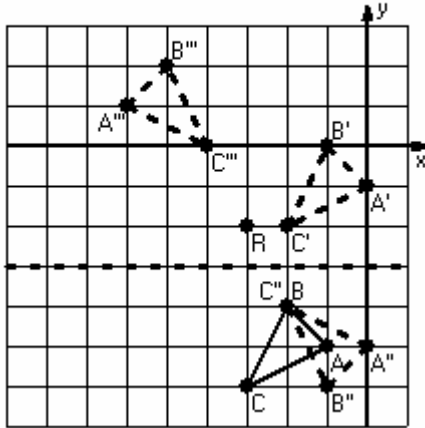
- 6) Rotation 90° counterclockwise, center $R(3,0)$
Translation (-1,4)
Reflection $x = 1$



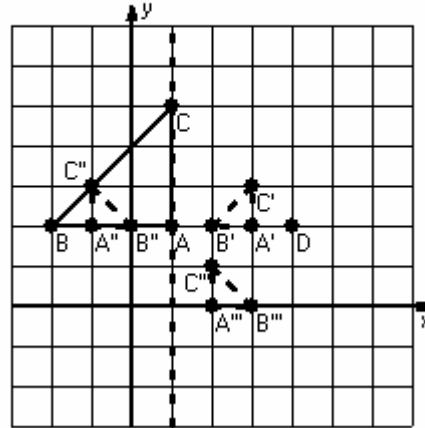
Three-Step Transformations Answer

Instructions: Transform each triangle three times using the instructions in the order given.
Draw and label each transformation.

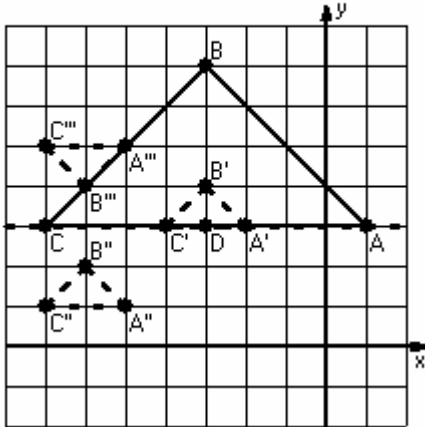
- 1) Translation (1,4)
Reflection $y = -3$
Rotation 180° , center $R(-3,-2)$



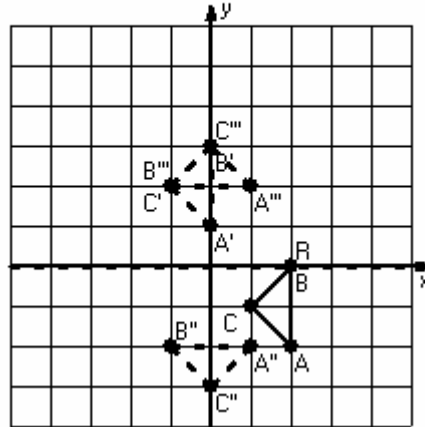
- 2) Dilation scale = $1/3$, center $D(4,2)$
Reflection $x = 1$
Translation (3,-2)



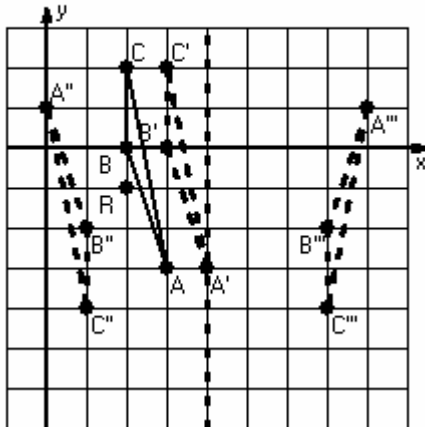
- 3) Dilation scale = $1/4$, center $D(-3,3)$
Translation (-3,-2)
Reflection $y = 3$



- 4) Translation (-2,3)
Rotation 90° counterclockwise, center $R(2,0)$
Reflection $y = 0$



- 5) Translation (1,0)
Rotation 180° , center $R(2,-1)$
Reflection $x = 4$



- 6) Rotation 90° counterclockwise, center $R(3,0)$
Translation (-1,4)
Reflection $x = 1$

