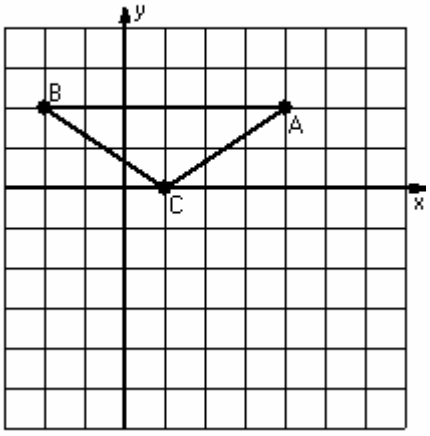
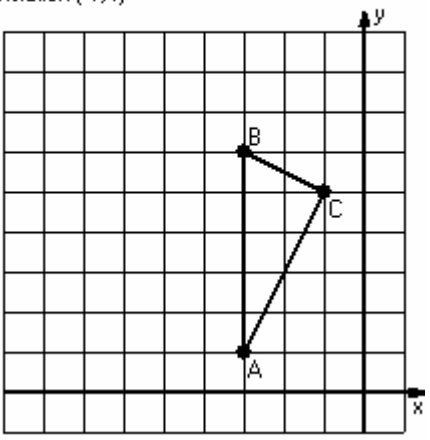
Three-Step Transformations (G)

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

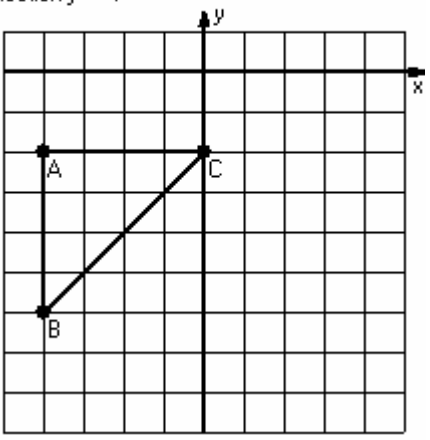
1) Translation (1,1)
Rotation 90° counterclockwise, center R(3,0)
Reflection x = 3



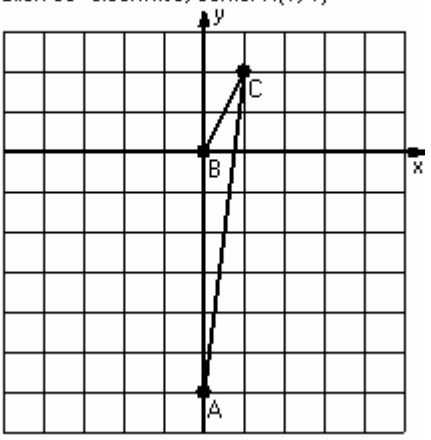
2) Reflection y = 4
Rotation 90° clockwise, center R(-4,5)
Translation (-1,4)



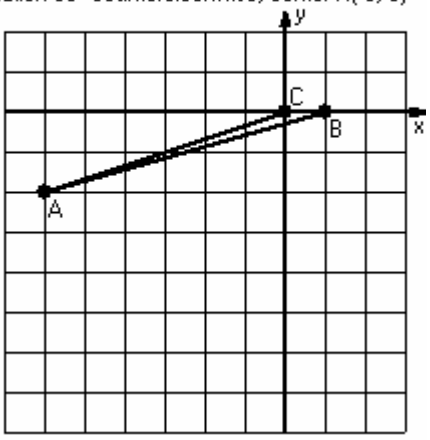
3) Dilation scale = 1/4, center D(0,-6)
Translation (2,0)
Reflection y = -4



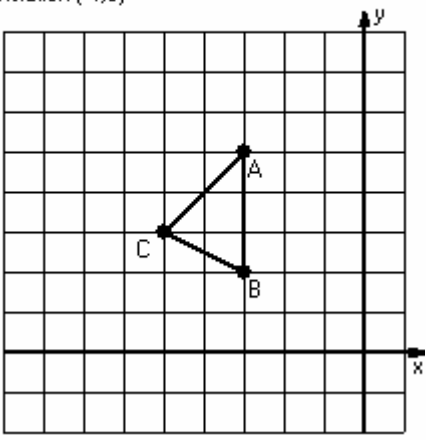
4) Reflection x = 2
Translation (-4,0)
Rotation 90° clockwise, center R(1,-1)



5) Translation (1,-1)
Reflection y = -4
Rotation 90° counterclockwise, center R(-5,-6)



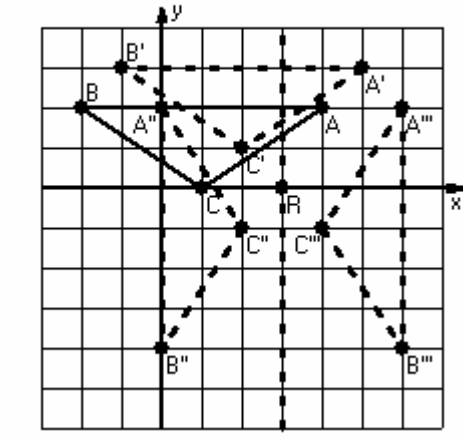
6) Dilation scale = 2, center D(-4,4)
Reflection x = -3
Translation (-4,0)



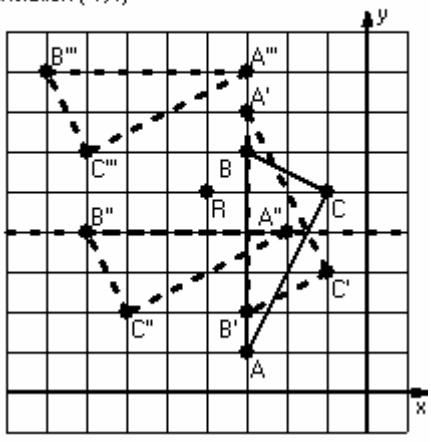
Three-Step Transformations Answer (G)

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

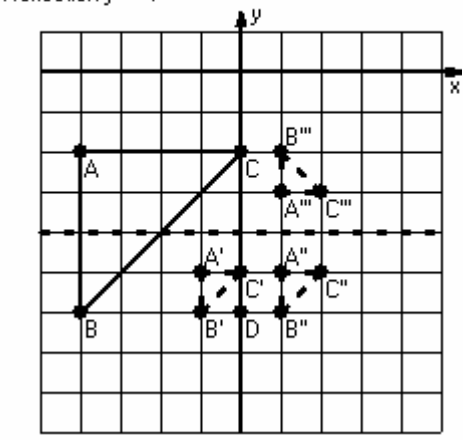
1) Translation (1,1)
Rotation 90° counterclockwise, center R(3,0)
Reflection x = 3



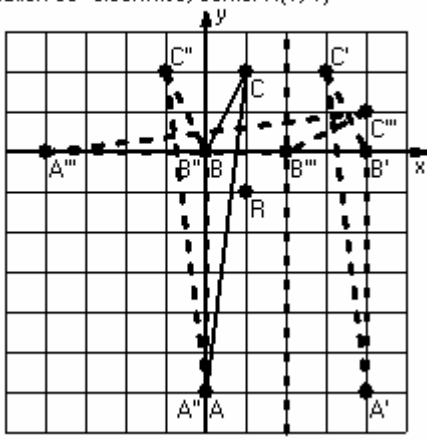
2) Reflection y = 4
Rotation 90° clockwise, center R(-4,5)
Translation (-1,4)



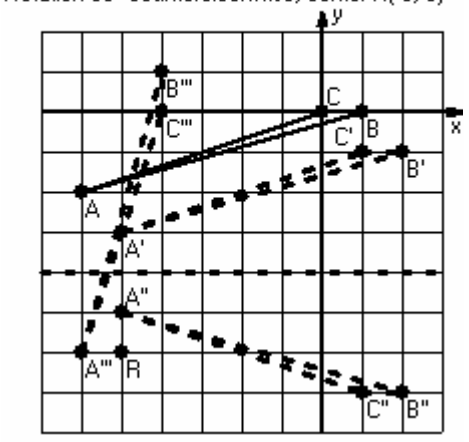
3) Dilation scale = 1/4, center D(0,-6)
Translation (2,0)
Reflection y = -4



4) Reflection x = 2
Translation (-4,0)
Rotation 90° clockwise, center R(1,-1)



5) Translation (1,-1)
Reflection y = -4
Rotation 90° counterclockwise, center R(-5,-6)



6) Dilation scale = 2, center D(-4,4)
Reflection x = -3
Translation (-4,0)