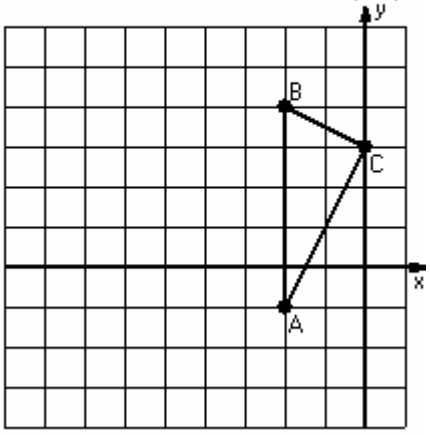
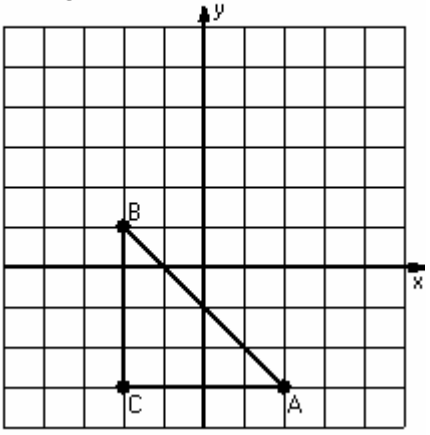
Three-Step Transformations (I)

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

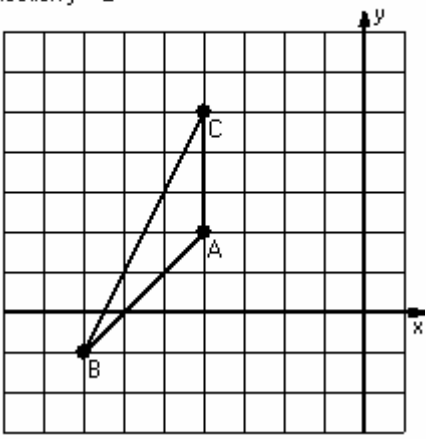
1) Translation (-2,0)
Reflection x = -5
Rotation 90° counterclockwise, center R(-4,3)



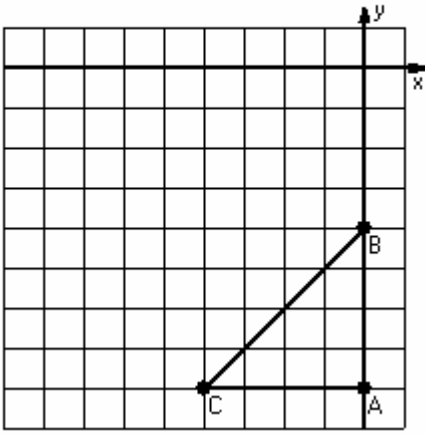
2) Dilation scale = 1/4, center D(2,1)
Rotation 180°, center R(-1,2)
Reflection y = 2



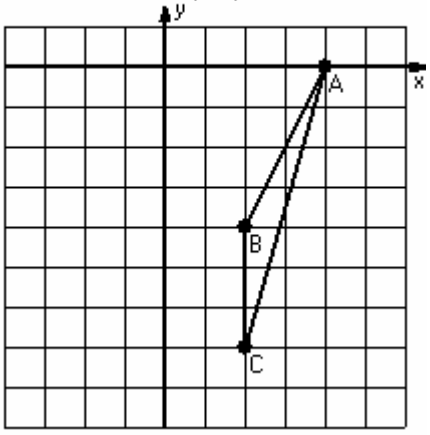
3) Dilation scale = 1/3, center D(-7,2)
Rotation 90° clockwise, center R(-4,3)
Reflection y = 2



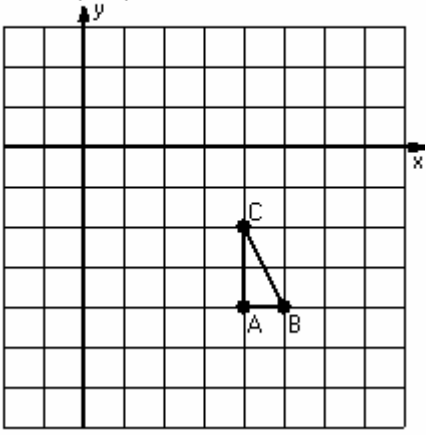
4) Dilation scale = 1/4, center D(-4,-4)
Translation (-2,-1)
Reflection x = -3



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



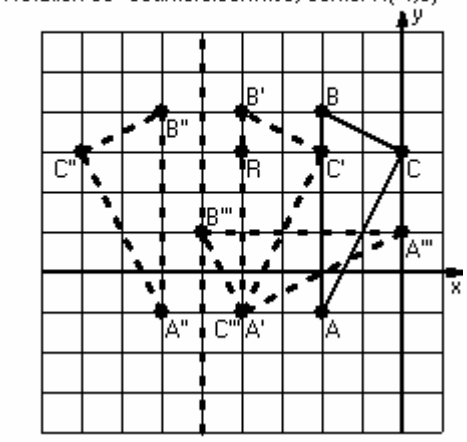
6) Dilation scale = 3, center D(4,-3)
Reflection y = -2
Translation (-5,-1)



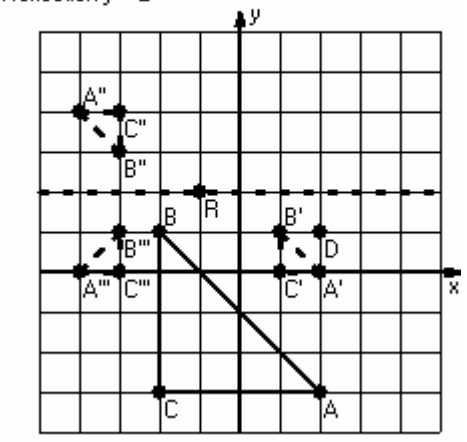
Three-Step Transformations Answer (I)

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

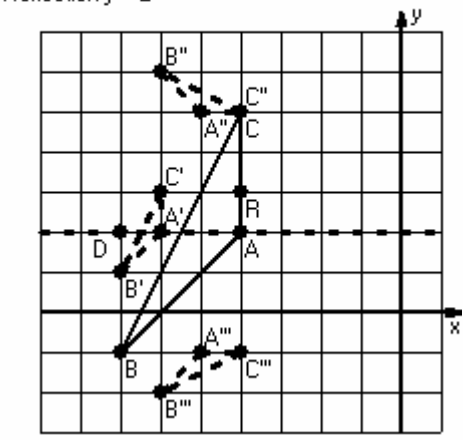
1) Translation (-2,0)
Reflection x = -5
Rotation 90° counterclockwise, center R(-4,3)



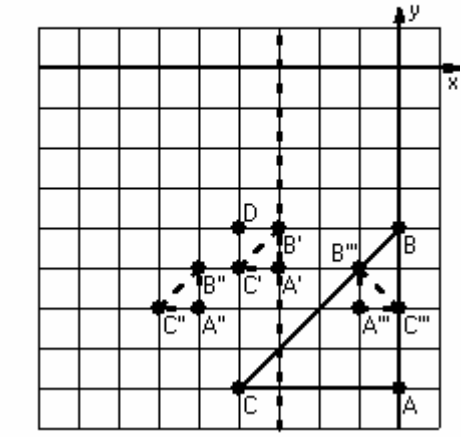
2) Dilation scale = 1/4, center D(2,1)
Rotation 180°, center R(-1,2)
Reflection y = 2



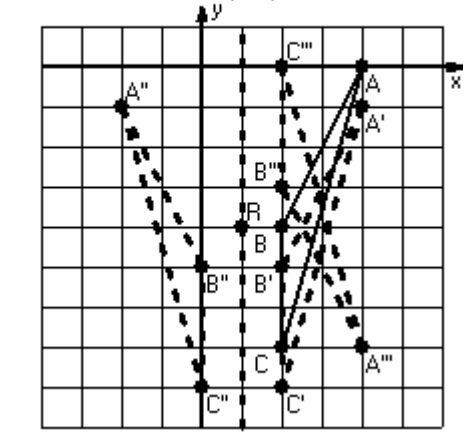
3) Dilation scale = 1/3, center D(-7,2)
Rotation 90° clockwise, center R(-4,3)
Reflection y = 2



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



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



6) Dilation scale = 3, center D(4,-3)
Reflection y = -2
Translation (-5,-1)