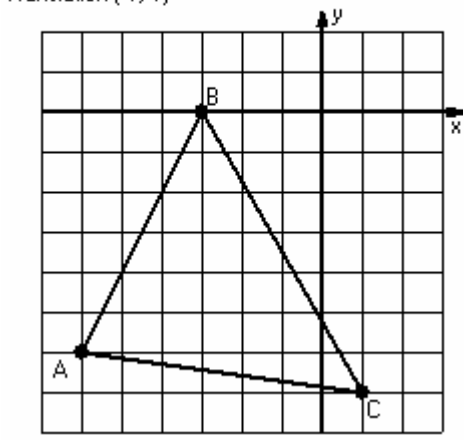
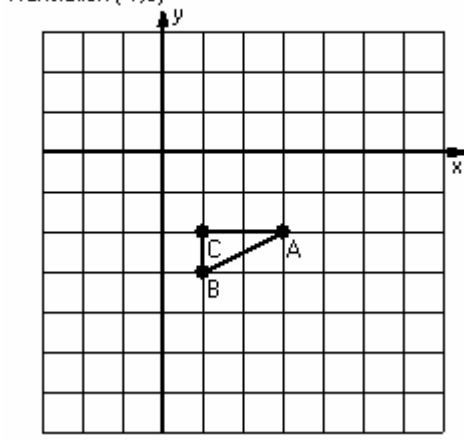
Three-Step Transformations (F)

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

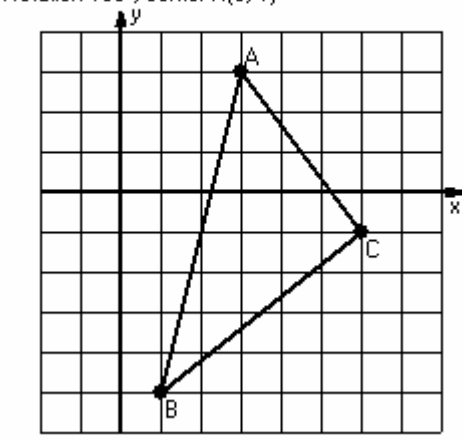
1) Reflection x = -2
Rotation 90° clockwise, center R(-1,-3)
Translation (-1,-1)



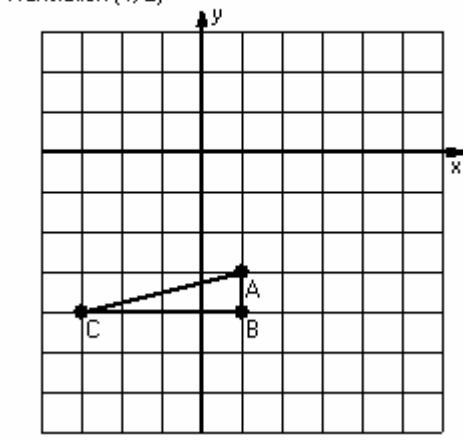
2) Dilation scale = 2, center D(0,0)
Reflection y = -3
Translation (-1,0)



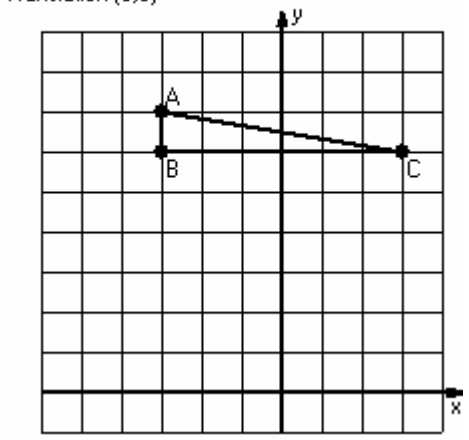
3) Reflection x = 4
Translation (-2,0)
Rotation 180°, center R(3,-1)



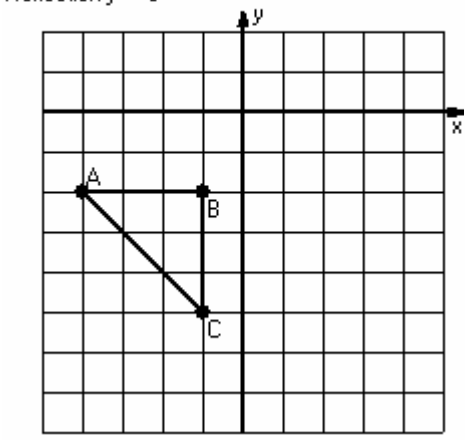
4) Reflection y = -2
Rotation 180°, center R(-1,-2)
Translation (4,-2)



5) Rotation 180°, center R(0,4)
Reflection x = -1
Translation (0,3)



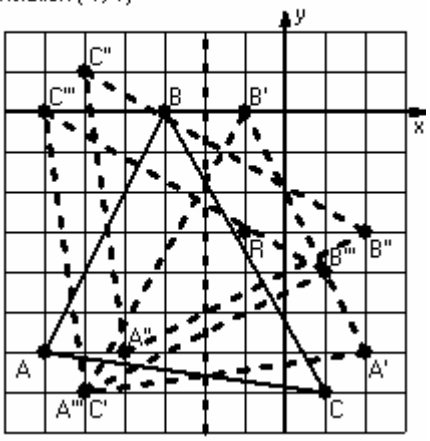
6) Dilation scale = 1/3, center D(2,-5)
Rotation 90° clockwise, center R(-2,-4)
Reflection y = -3



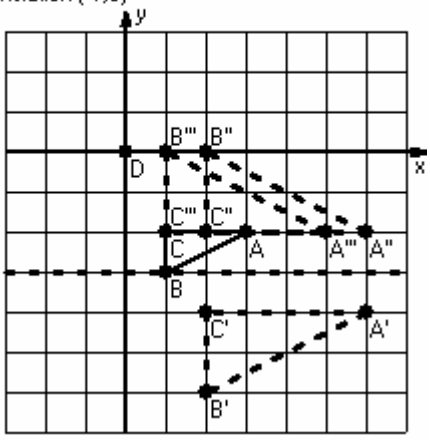
Three-Step Transformations Answer (F)

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

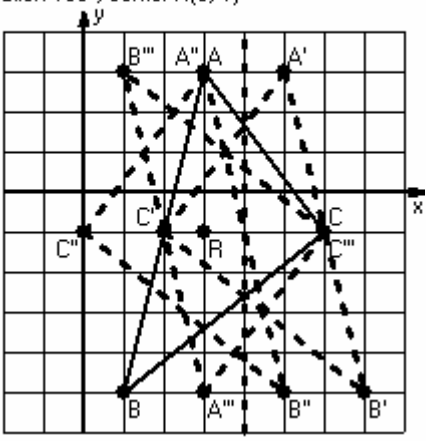
1) Reflection x = -2
Rotation 90° clockwise, center R(-1,-3)
Translation (-1,-1)



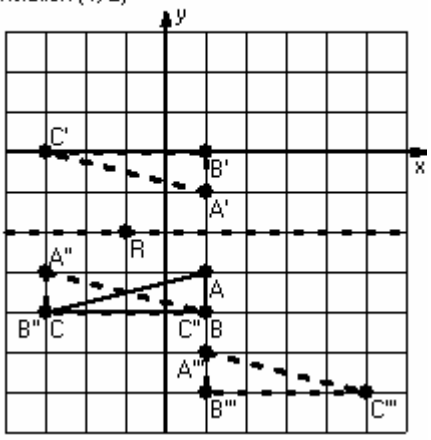
2) Dilation scale = 2, center D(0,0)
Reflection y = -3
Translation (-1,0)



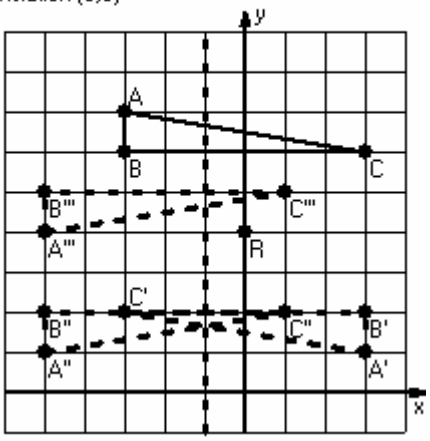
3) Reflection x = 4
Translation (-2,0)
Rotation 180°, center R(3,-1)



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



5) Rotation 180°, center R(0,4)
Reflection x = -1
Translation (0,3)



6) Dilation scale = 1/3, center D(2,-5)
Rotation 90° clockwise, center R(-2,-4)
Reflection y = -3