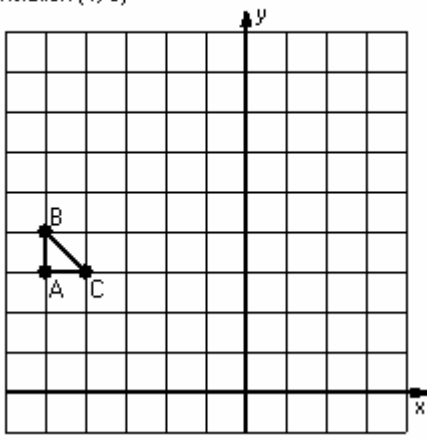
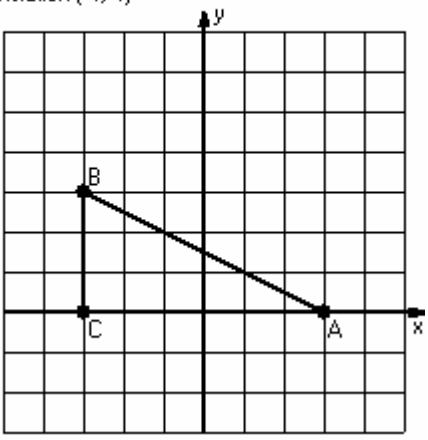
Three-Step Transformations (B)

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

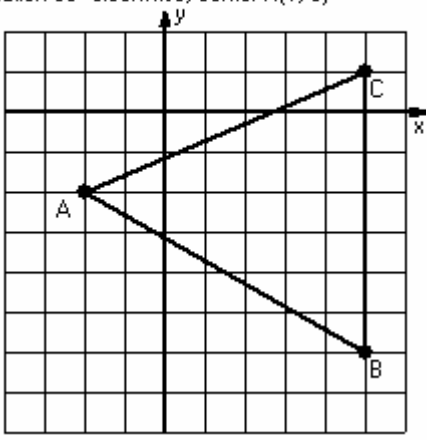
1) Reflection $y = 2$
Rotation 180°, center R(-3,4)
Translation (4,-5)



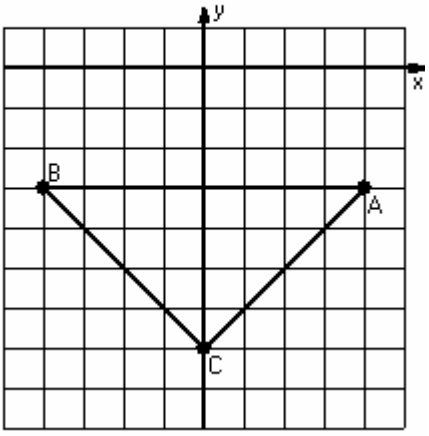
2) Dilation scale = 1/3, center D(3,3)
Reflection $y = 4$
Translation (-4,-4)



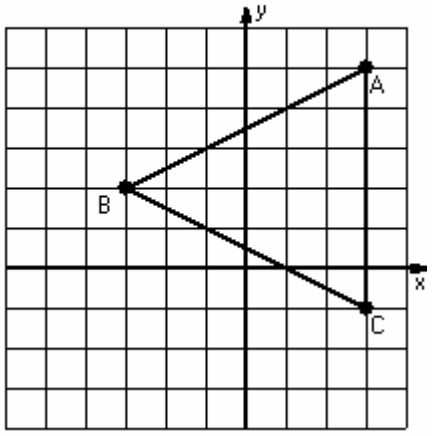
3) Reflection $x = 1$
Translation (1,-1)
Rotation 90° clockwise, center R(1,-3)



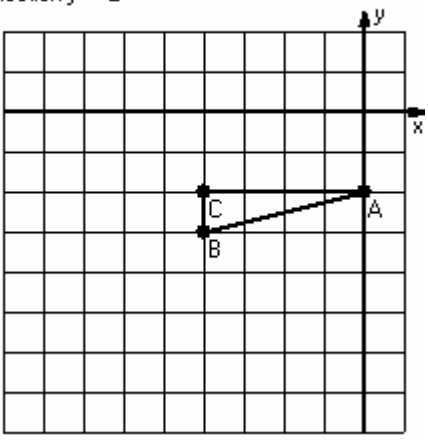
4) Dilation scale = 1/4, center D(0,-3)
Rotation 180°, center R(-1,-5)
Reflection $x = 0$



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



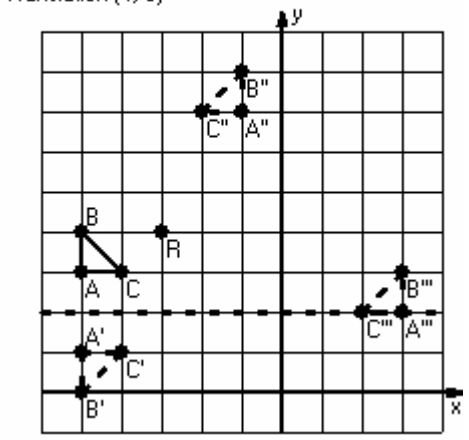
6) Translation (-3,-4)
Rotation 180°, center R(-5,-5)
Reflection $y = -2$



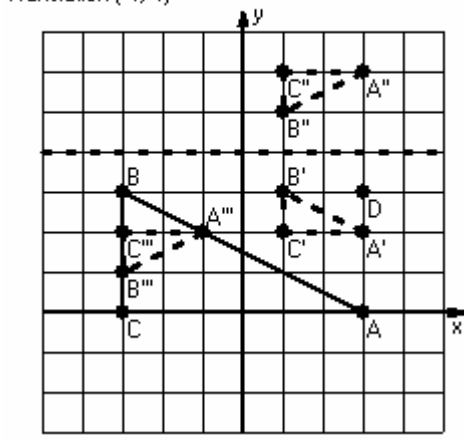
Three-Step Transformations Answer (B)

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

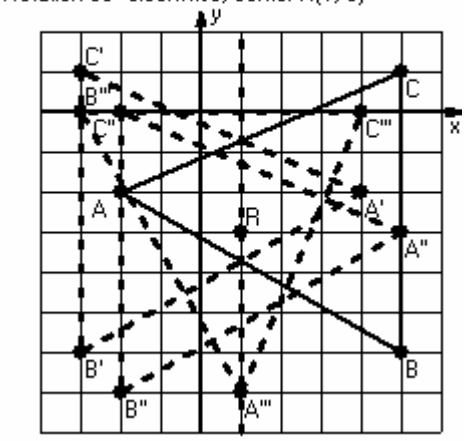
1) Reflection $y = 2$
Rotation 180°, center R(-3,4)
Translation (4,-5)



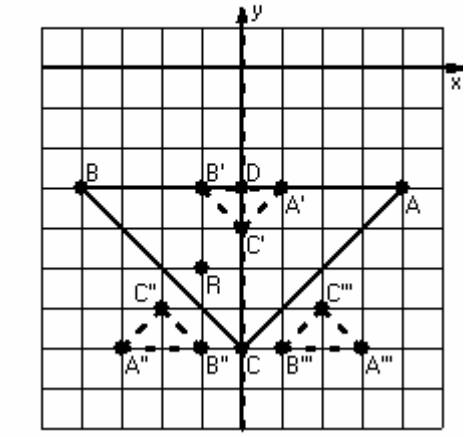
2) Dilation scale = 1/3, center D(3,3)
Reflection $y = 4$
Translation (-4,-4)



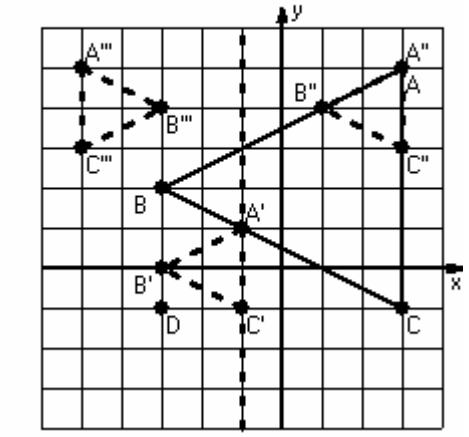
3) Reflection $x = 1$
Translation (1,-1)
Rotation 90° clockwise, center R(1,-3)



4) Dilation scale = 1/4, center D(0,-3)
Rotation 180°, center R(-1,-5)
Reflection $x = 0$



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



6) Translation (-3,-4)
Rotation 180°, center R(-5,-5)
Reflection $y = -2$