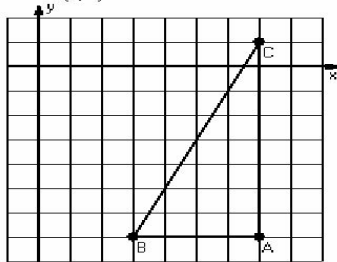


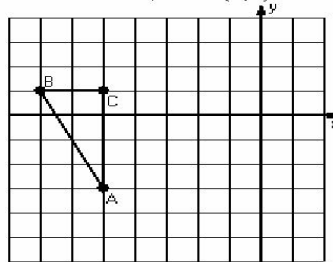
### Three-Step Transformations (D)

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

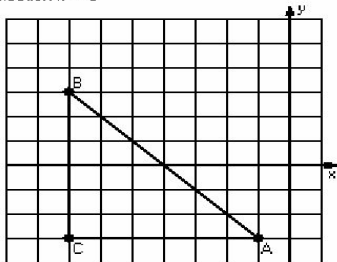
- 1) Dilation scale =  $\frac{1}{4}$ , center  $D(7,-3)$   
Reflection  $x = 4$   
Translation  $(2,-3)$



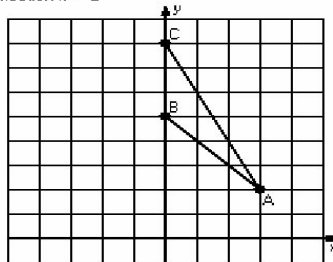
- 2) Reflection  $y = 0$   
Translation  $(3,-2)$   
Rotation  $90^\circ$  clockwise, center  $R(-2,-1)$



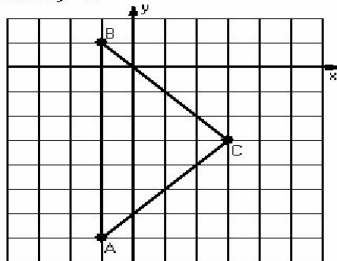
- 3) Dilation scale =  $\frac{1}{3}$ , center  $D(-1,3)$   
Rotation  $90^\circ$  counterclockwise, center  $R(-2,1)$   
Reflection  $x = -5$



- 4) Dilation scale =  $\frac{1}{3}$ , center  $D(-3,2)$   
Translation  $(1,3)$   
Reflection  $x = -2$



- 5) Dilation scale =  $\frac{1}{4}$ , center  $D(-1,3)$   
Translation  $(3,-2)$   
Reflection  $y = -3$



- 6) Reflection  $y = 4$   
Rotation  $180^\circ$ , center  $R(-3,5)$   
Translation  $(-2,0)$

