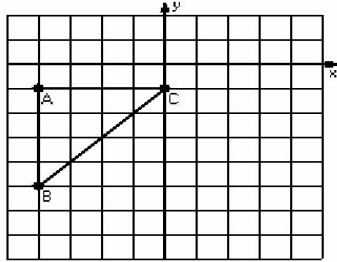


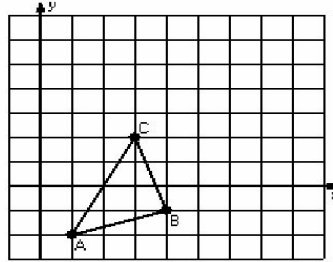
## Two-Step Transformations (I)

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

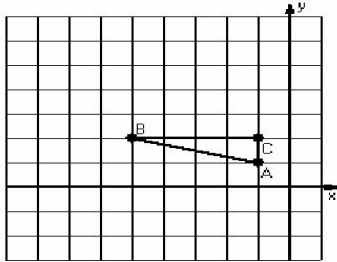
- 1) Dilation scale =  $1/4$ , center  $D(0,-5)$   
Reflection  $y = -3$



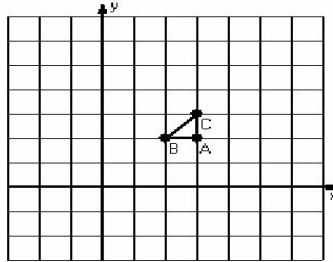
- 2) Translation  $(-1,2)$   
Rotation  $90^\circ$  clockwise, center  $R(4,1)$



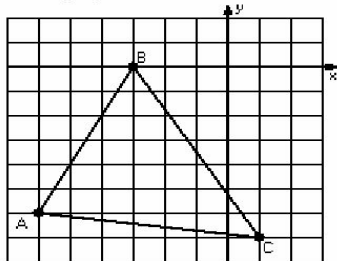
- 3) Dilation scale = 2, center  $D(-2,-1)$   
Translation  $(0,-5)$



- 4) Dilation scale = 3, center  $D(4,2)$   
Rotation  $90^\circ$  counterclockwise, center  $R(0,3)$



- 5) Reflection  $x = -2$   
Translation  $(0,1)$



- 6) Dilation scale =  $1/2$ , center  $D(-6,-2)$   
Translation  $(1,-4)$

