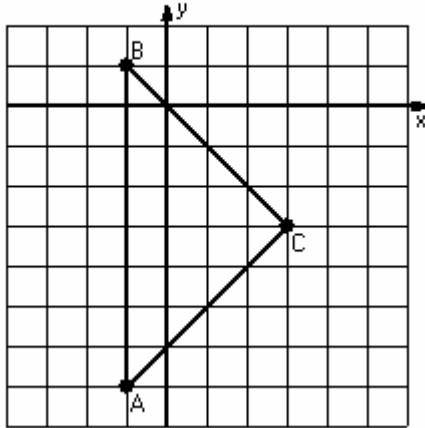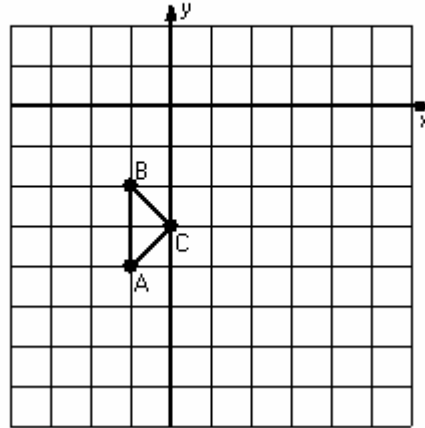# Three-Step Transformations (H)

Instructions: Transform each triangle three times using the instructions in the order given.
Draw and label each transformation.
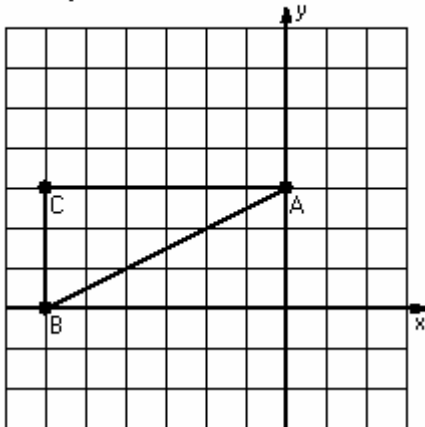
1) Dilation scale = 1/4, center D(-1,-3)
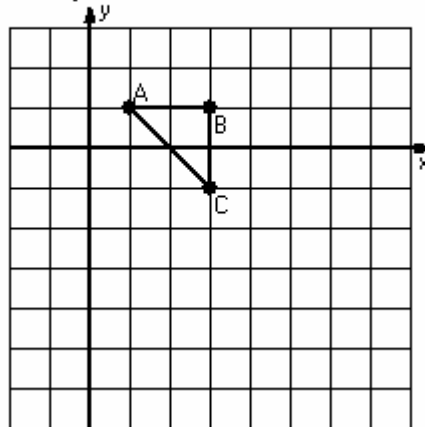   Reflection x = 1
   Translation (-2,2)

2) Dilation scale = 4, center D(-1,-3)
   Reflection x = 0
   Translation (2,0)
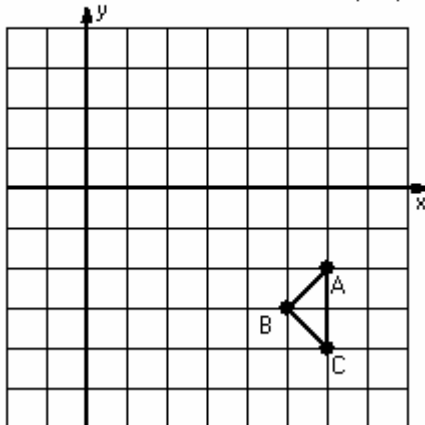

3) Dilation scale = 1/3, center D(0,0)
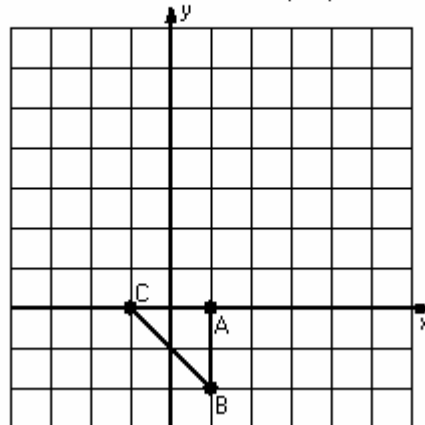   Rotation 90° counterclockwise, center R(-4,1)
   Reflection y = 2

4) Rotation 90° clockwise, center R(0,-1)
   Translation (1,0)
   Reflection y = -1

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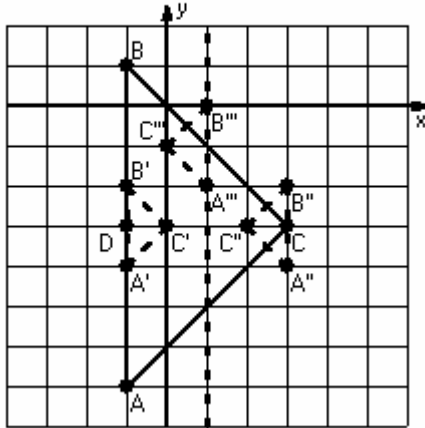   Rotation 90° counterclockwise, center R(4,-3)

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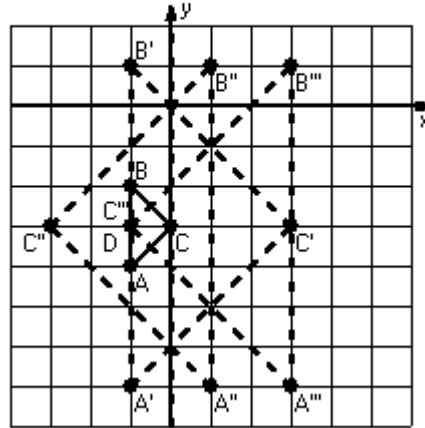   Rotation 90° clockwise, center R(-1,1)

Three-Step Transformations Answer (H)

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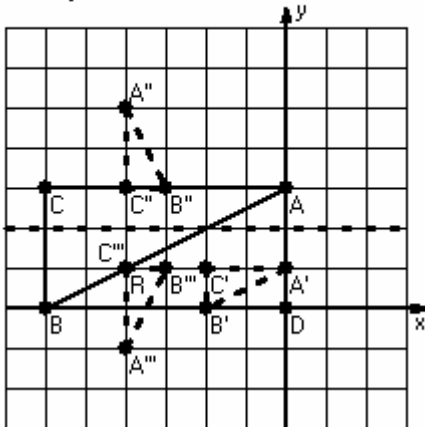Draw and label each transformation.

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

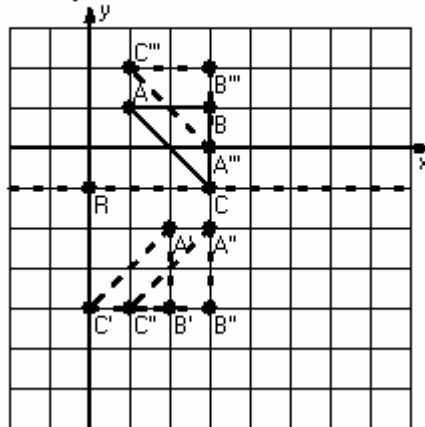2) Dilation scale = 4, center D(-1,-3)
Reflection x = 0
Translation (2,0)
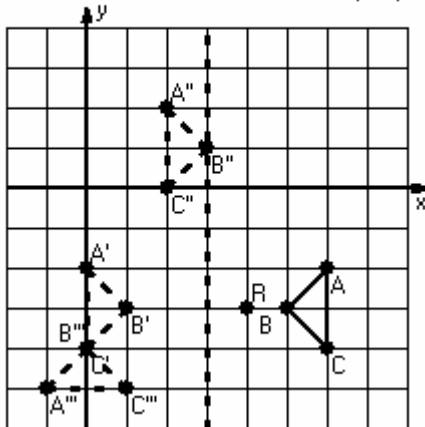
3) Dilation scale = 1/3, center D(0,0)
Rotation 90° counterclockwise, center R(-4,1)
Reflection y = 2

4) Rotation 90° clockwise, center R(0,-1)
Translation (1,0)
Reflection y = -1

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

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