Math 8/8H

**9.1a #2 HW - Translations**

1. Graph triangle $ A (-4, -3) B (-2, 1) C (0, -2).$

2. Apply the following transformations and write down the final coordinates of each point.

 (Apply each new translation rule to the image from the previous translation.)

* $(x, y)\rightarrow (x-5, y)$
* $(x, y)\rightarrow (x, y+4)$
* $(x, y)\rightarrow (x+7, y-12)$
* $(x, y)\rightarrow (x+5, y+15)$
* $(x, y)\rightarrow (x-3, y-6)$



What are the final coordinates?

**A’’’’’ \_\_\_\_\_\_\_\_\_\_\_\_\_ B’’’’’ \_\_\_\_\_\_\_\_\_\_\_\_\_ C’’’’’ \_\_\_\_\_\_\_\_\_\_\_\_\_**

Write the translation rule that would take you from the pre-image to the final image.

**Translation rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**