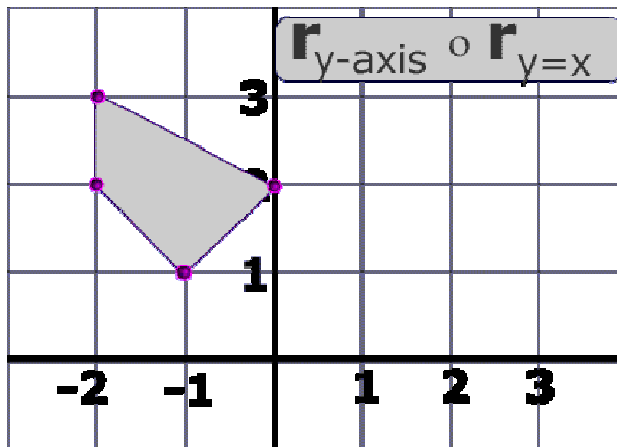
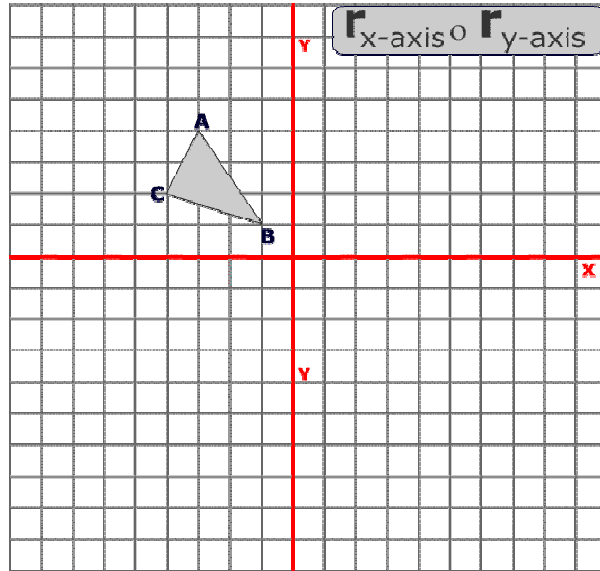


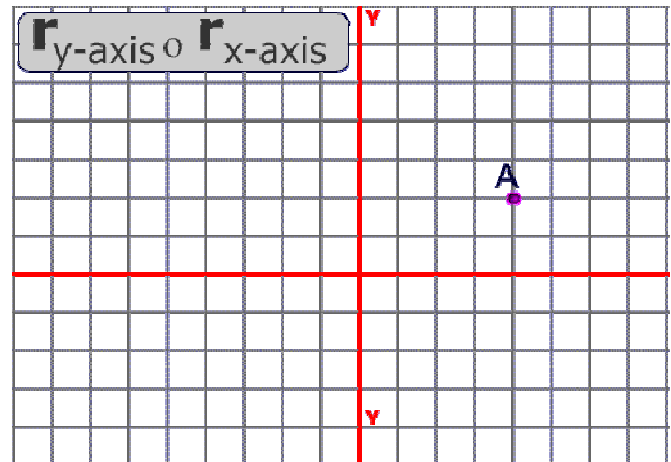
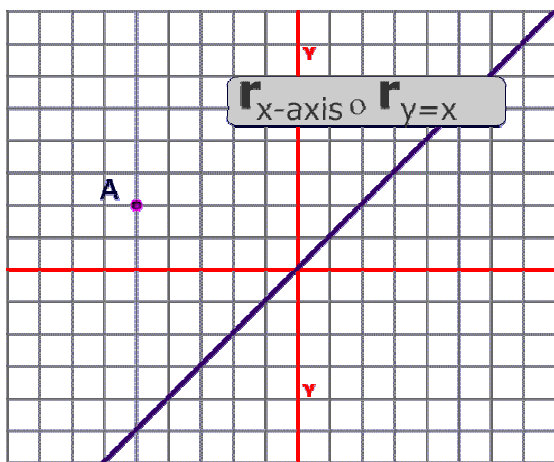
# Compositions of Reflections as Rotations

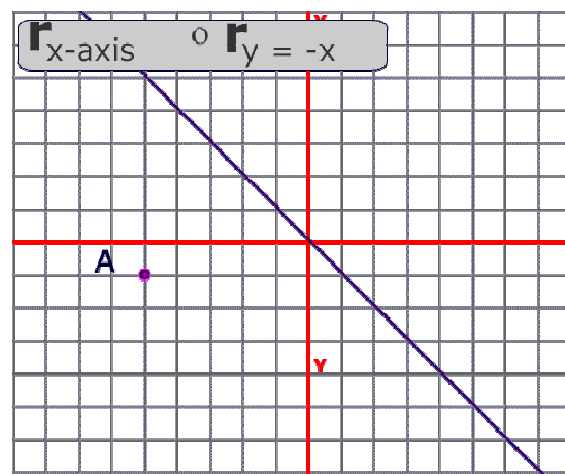
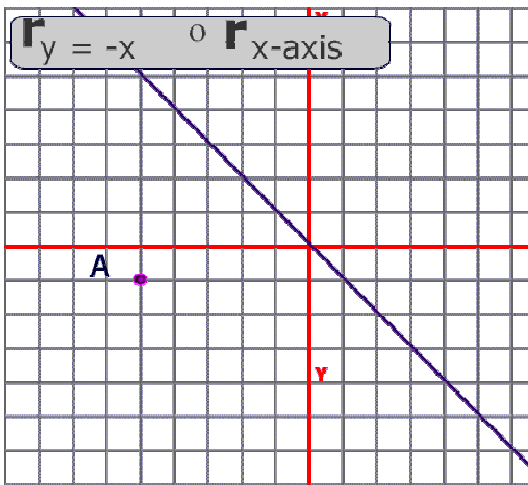
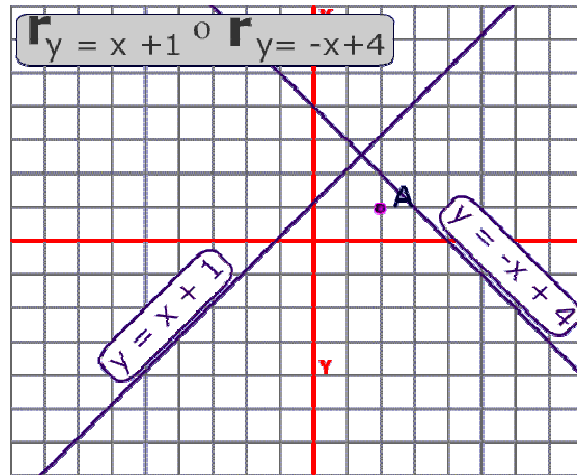
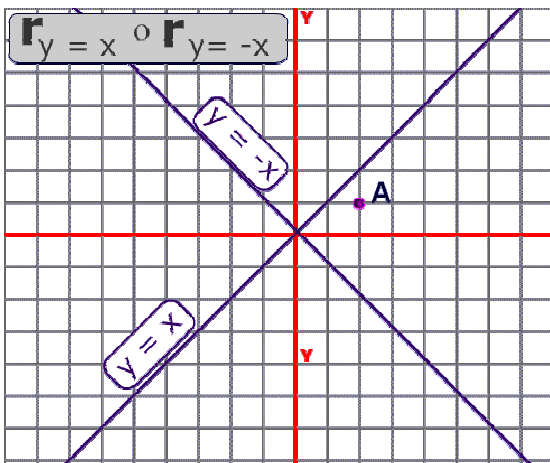
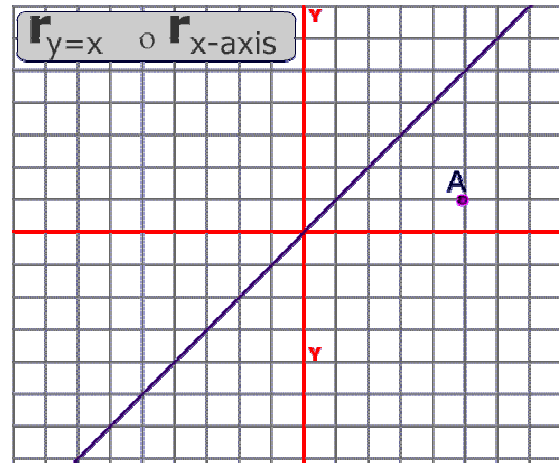
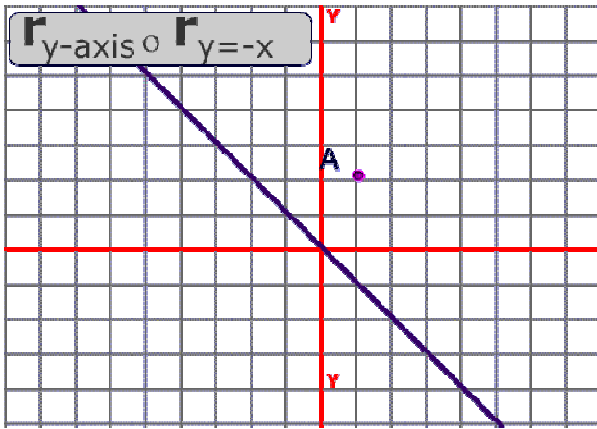
Answers online @ [mathwarehouse.com/transformations/reflections-theorem.php](http://mathwarehouse.com/transformations/reflections-theorem.php)

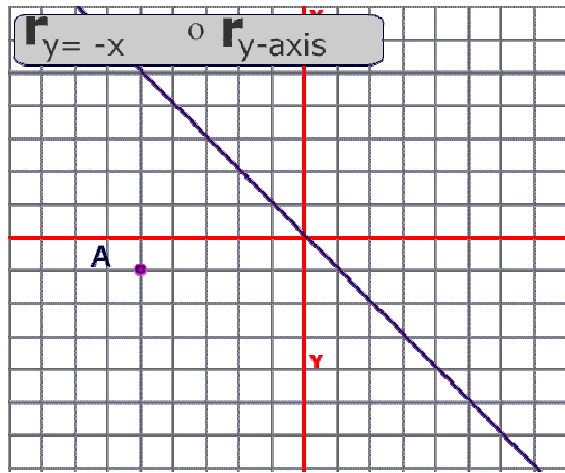
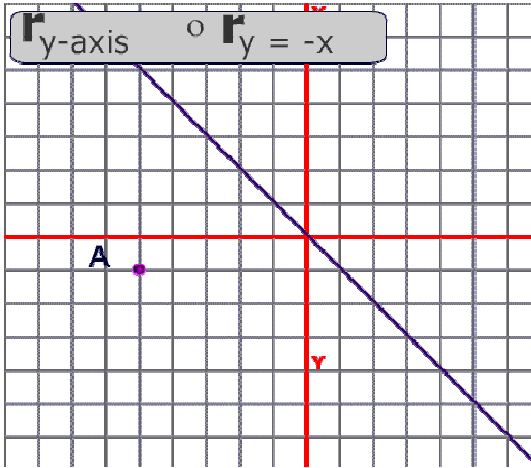
Perform the composition of reflections



Perform the composition of reflections below, then state what rotation expresses this same composition of reflections.







Activity

Group Members

**Task #1)** Draw a triangle on the graph below.

**Task #2)** Label its vertices A,B and C and label the coordinates of each vertex.

**Task #3)** Fill in the blanks for the composition of reflections below. (Make sure that the composition that you choose can also be expressed as a rotation)

**Task #4)** Perform the composition of reflections

**Task #5)** State which rotation also expresses this composition.

