

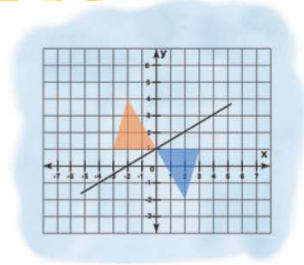
Name :

Class :



# Transformation

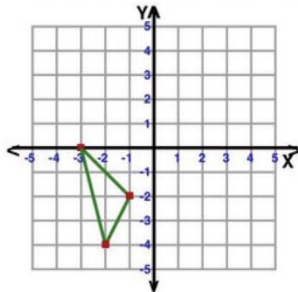
Transformations are changes done in the shapes on a coordinate plane by rotation or reflection or translation



transformation

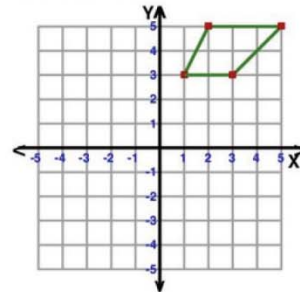
1)

Translation: 4 right and 2 up



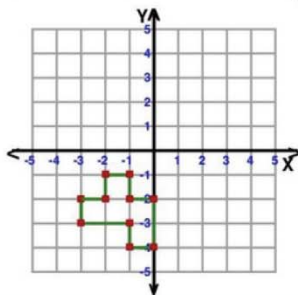
2)

Translation: 5 left and 2 down



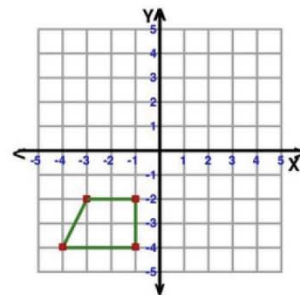
3)

Reflection: Across the line  $y = -1$



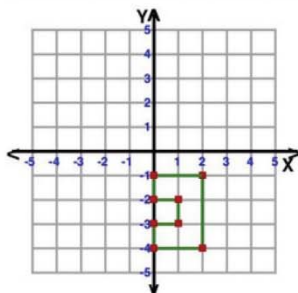
4)

Rotation:  $180^\circ$  about the origin



5)

Reflection: Across the x-axis



6)

Rotation:  $90^\circ$  clockwise about the origin

