

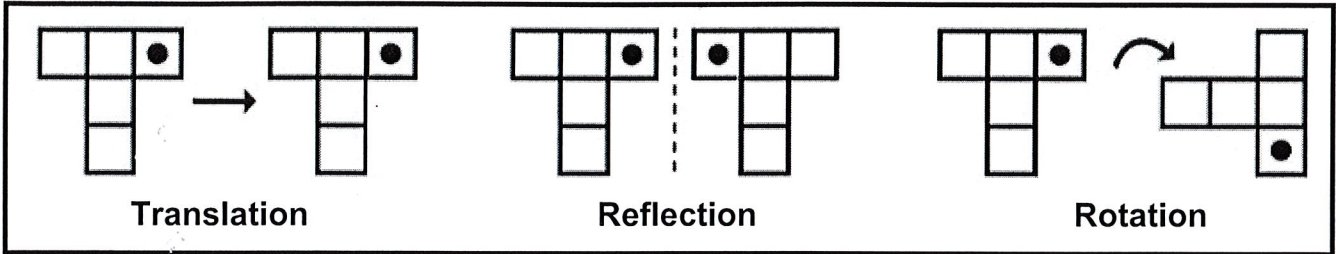
Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

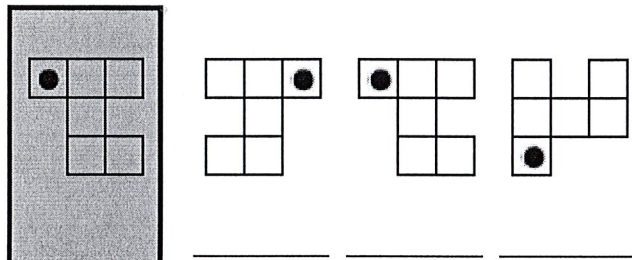
Date : \_\_\_\_\_

### Translation, Rotation, and Reflection

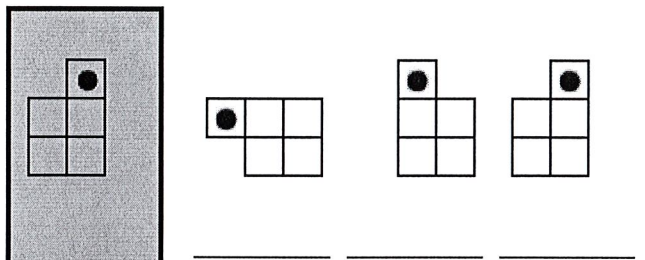


Identify each shape as translation, rotation, and reflection.

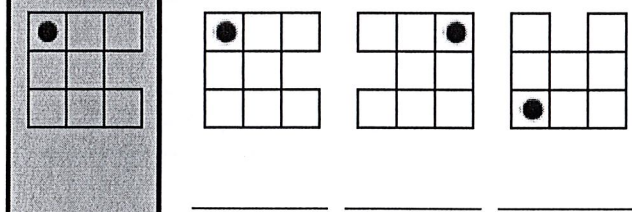
1)



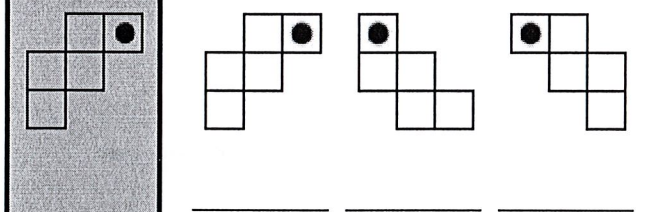
2)



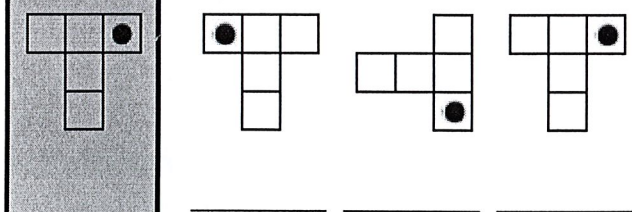
3)



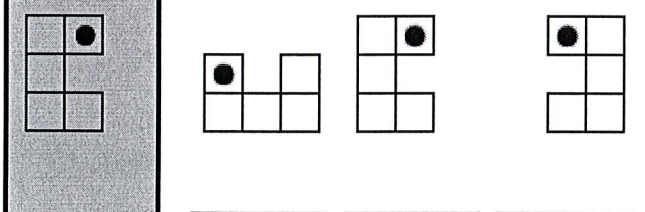
4)



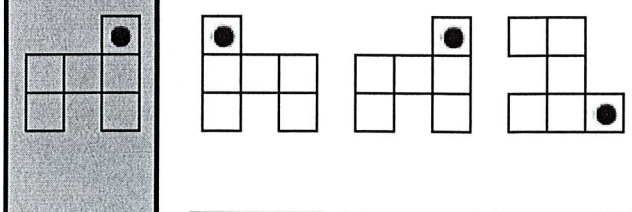
5)



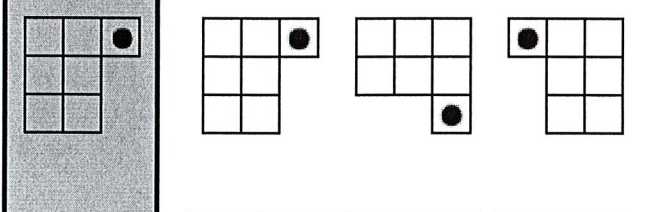
6)



7)



8)



Name : \_\_\_\_\_

Score : \_\_\_\_\_

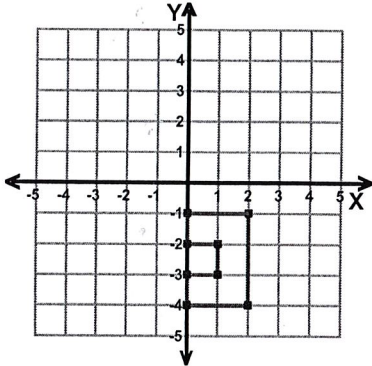
Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

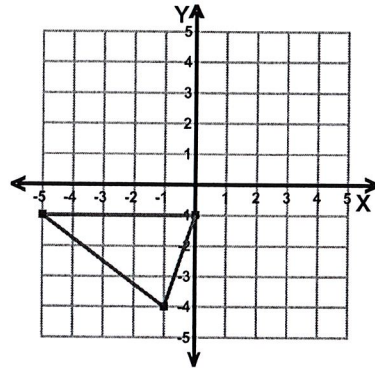
## Transformations

ccw = counterclockwise

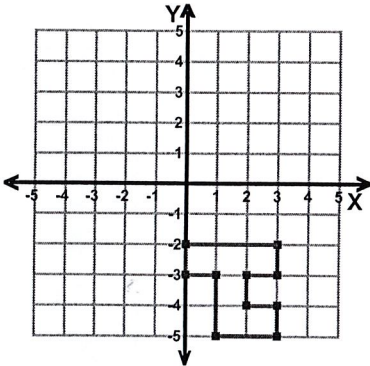
1) Translation: 4 left and 2 up



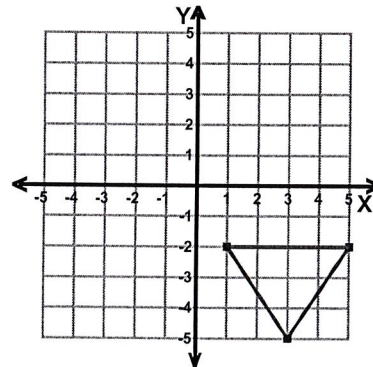
2) Rotation:  $180^\circ$  about the origin



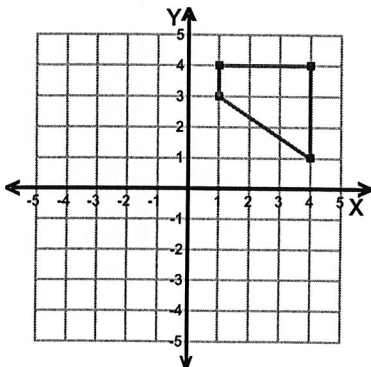
3) Rotation:  $90^\circ$  ccw about the origin



4) Translation: 2 left and 5 up



5) Reflection: Across Line  $y = -x$



6) Reflection: Across the x-axis

