

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

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

Teacher : Sensabaugh

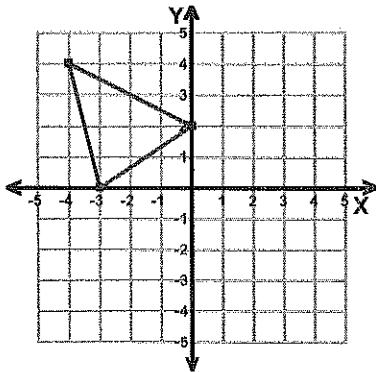
Date : 1-11-17

Unit 7 extra credit

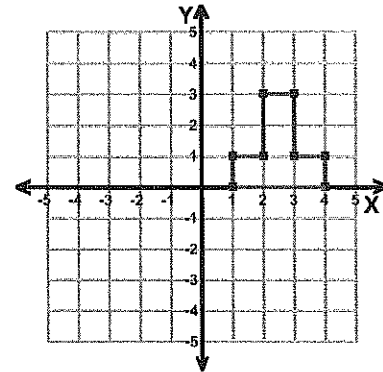
### Transformations

ccw = counterclockwise

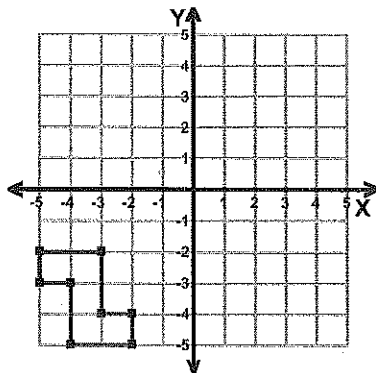
1) Rotation:  $90^\circ$  clockwise about the origin



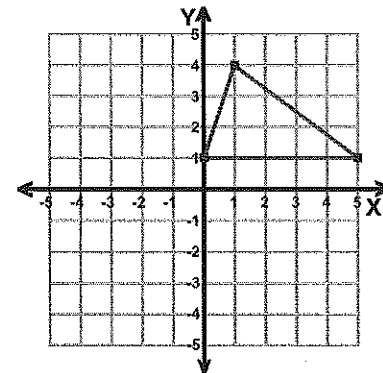
2) Rotation:  $180^\circ$  about the origin



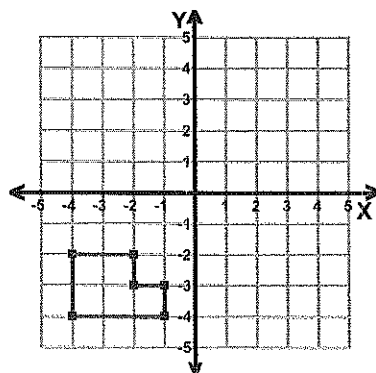
3) Translation: 2 right and 5 up



4) Translation: 5 left and 3 down



5) Reflection: Across the line  $x = -3$



6) Reflection: Across the line  $y = 3$

