1.9 Writing Rules for Transformations

I CAN...

Write motions rules for transformations in the coordinate plane

Warm-Up

half sheet paper

#1 - 90 rotation about the origin
#2 - 90 clockwise rotation
#3 - 270 rotation about the origin

Describe the transformation graphed below

Write a rule for this transformation:
(x,y) → ( , )

Describe and write the rule for the movement of the trumpet line from position 1 to position 2.

In one part of a marching band's performance, a line of trumpet players starts at position 1, marches to position 2, and then to position 3. Each unit on the graph represents one step.
Describe the transformation graphed below and write the rule.

Describe the transformation graphed below and write the rule to get from CD to C'D'.

Describe the transformation and write the rule to get from ΔKJL to ΔK''J''L''.

Describe the transformation and write the rule to get from CD to C'D'.