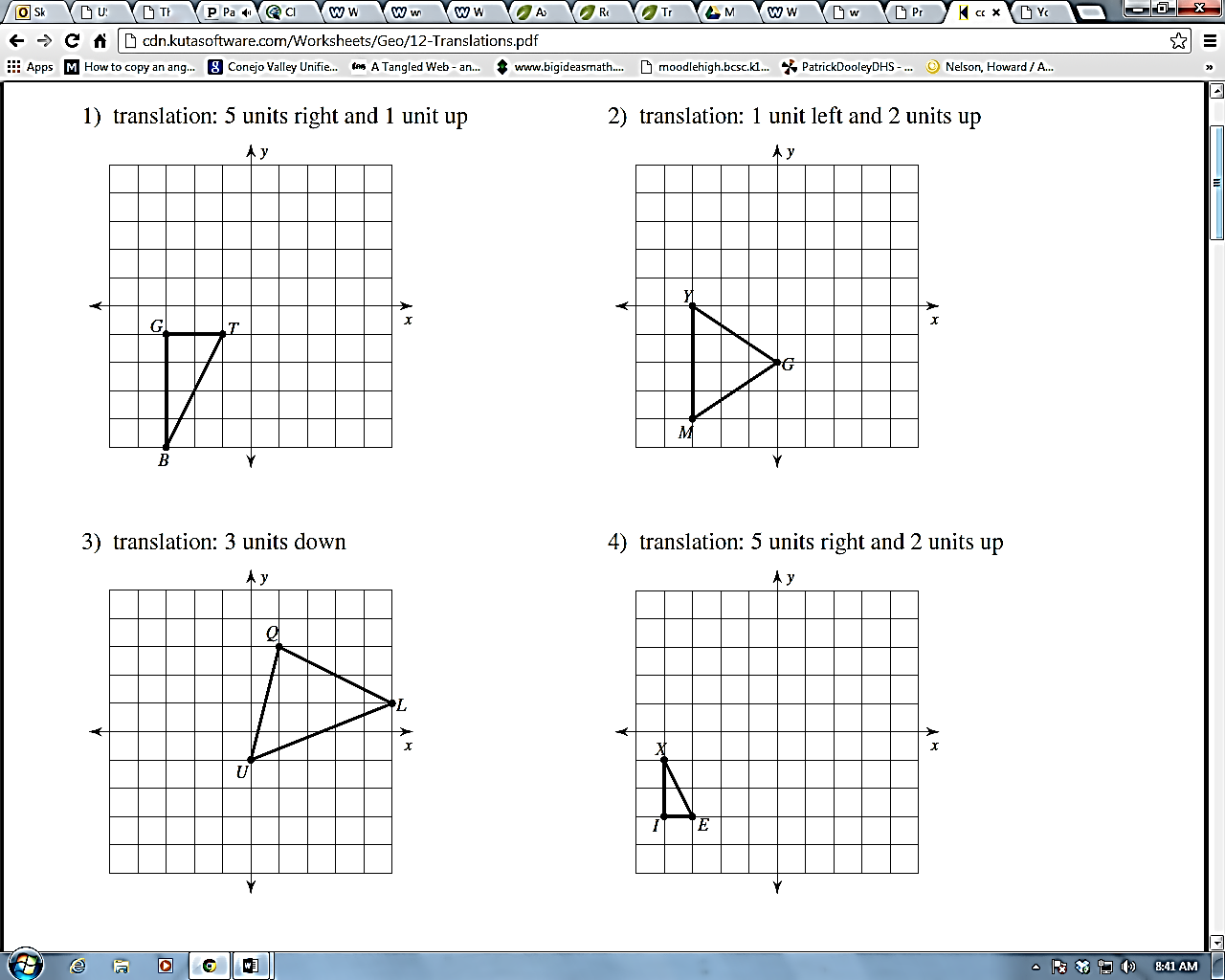
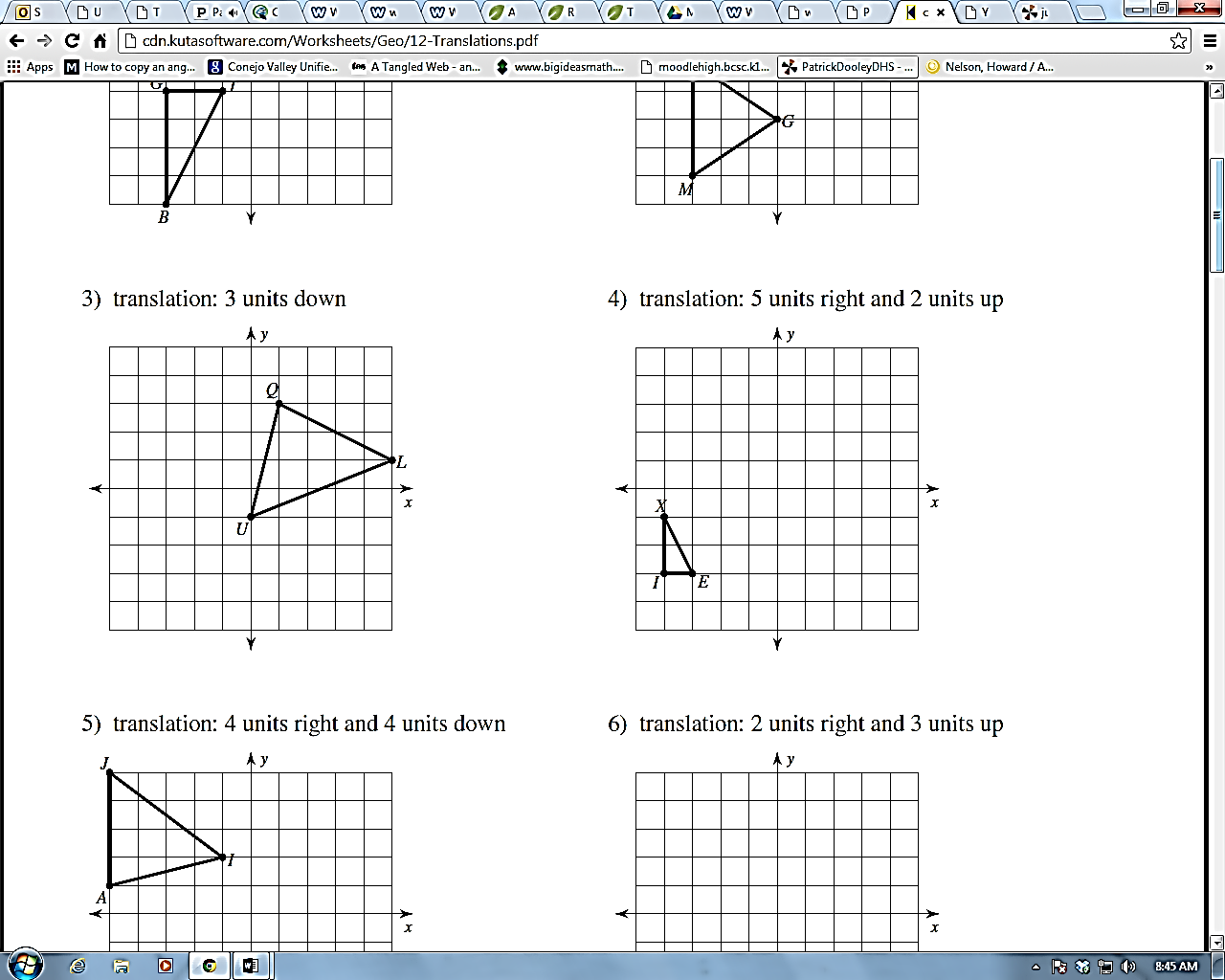
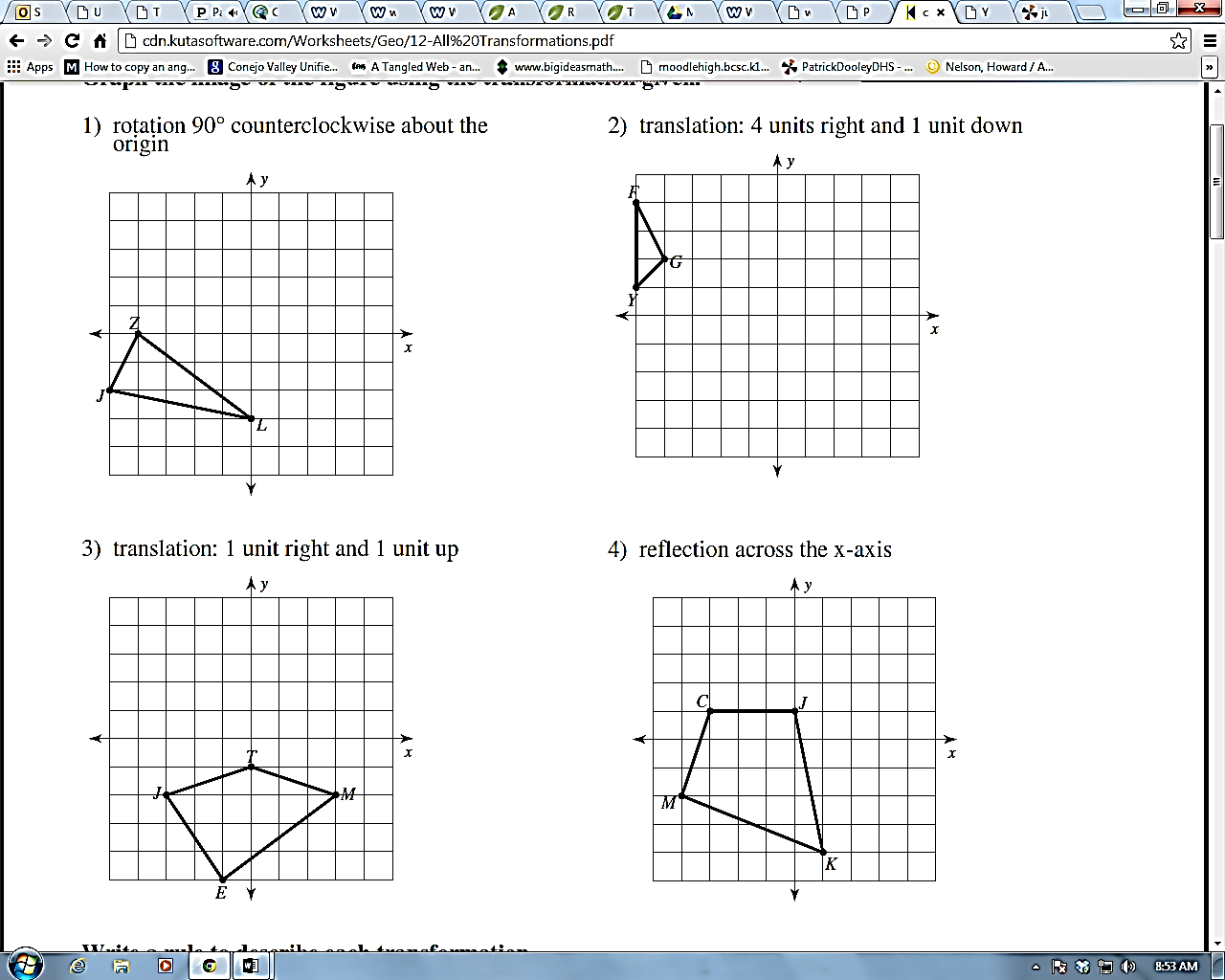
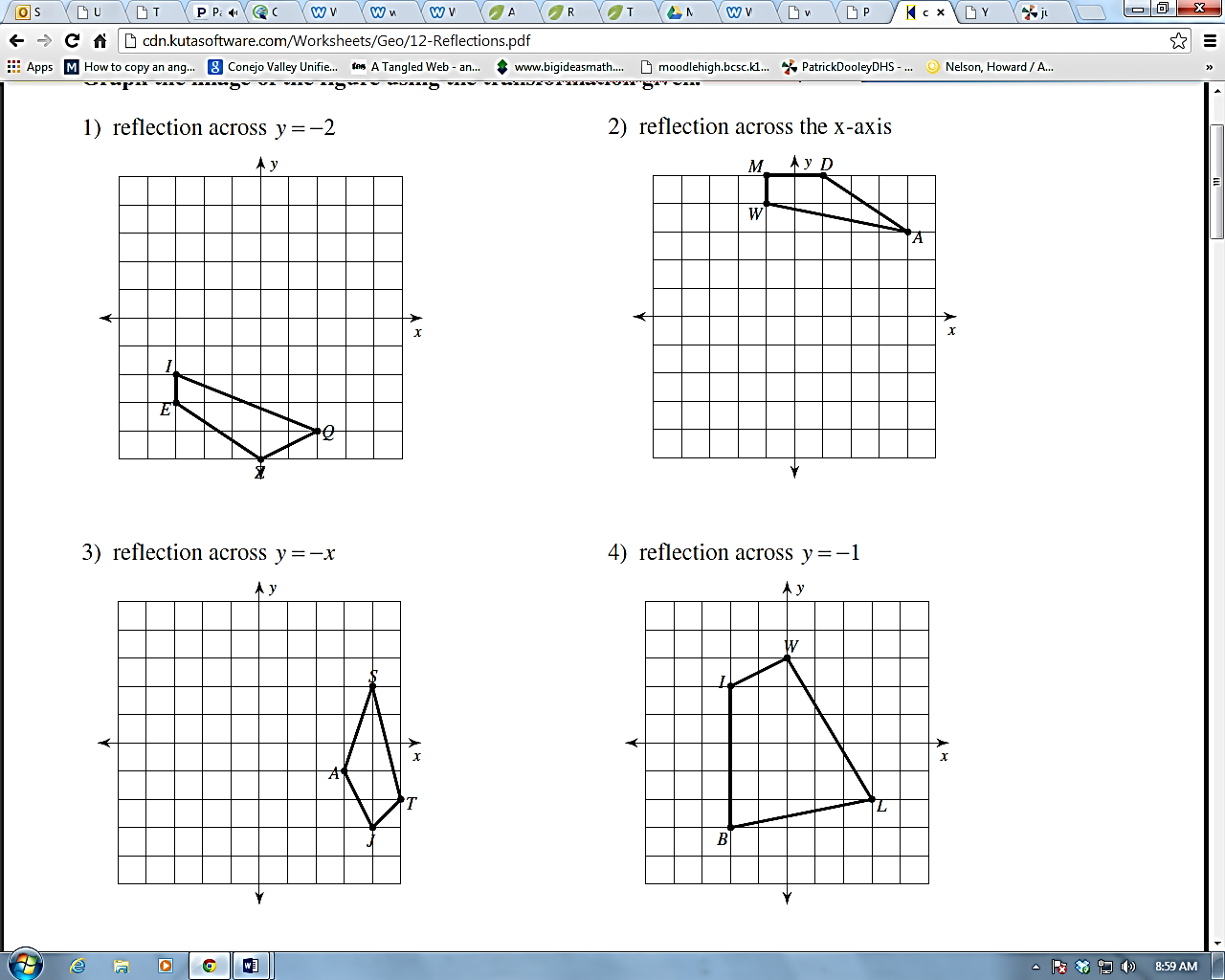
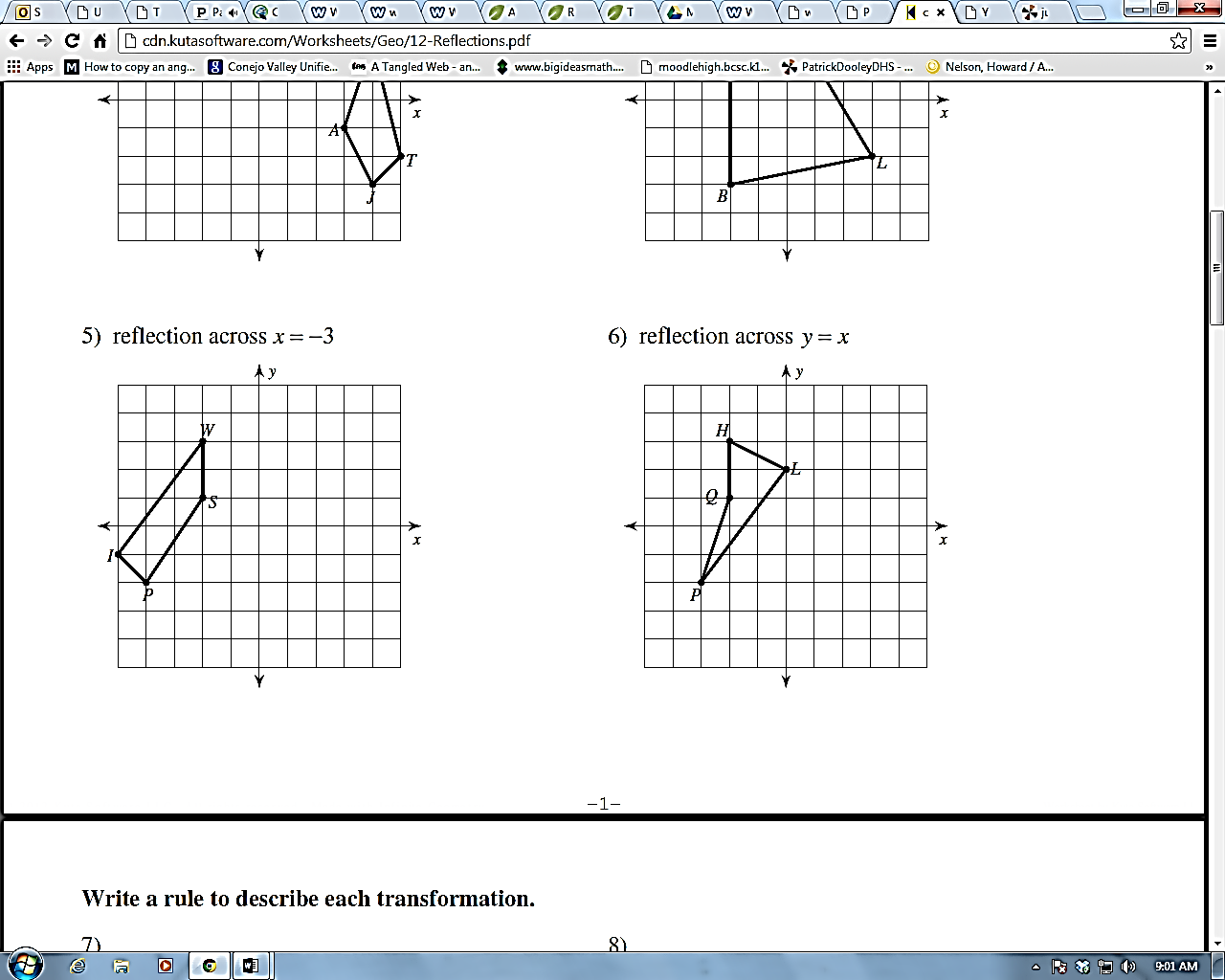
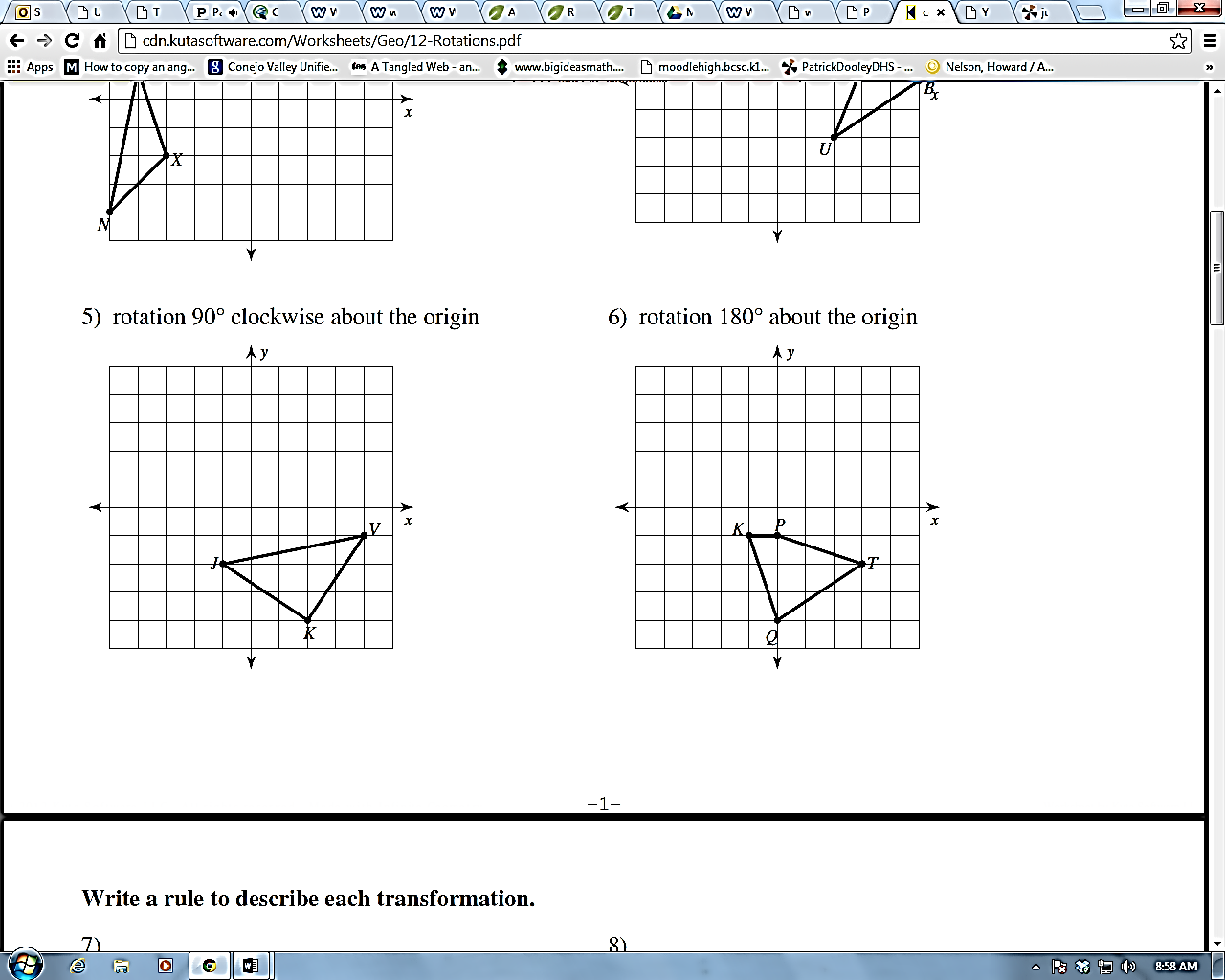
Geometry CP Transformations Practice Test

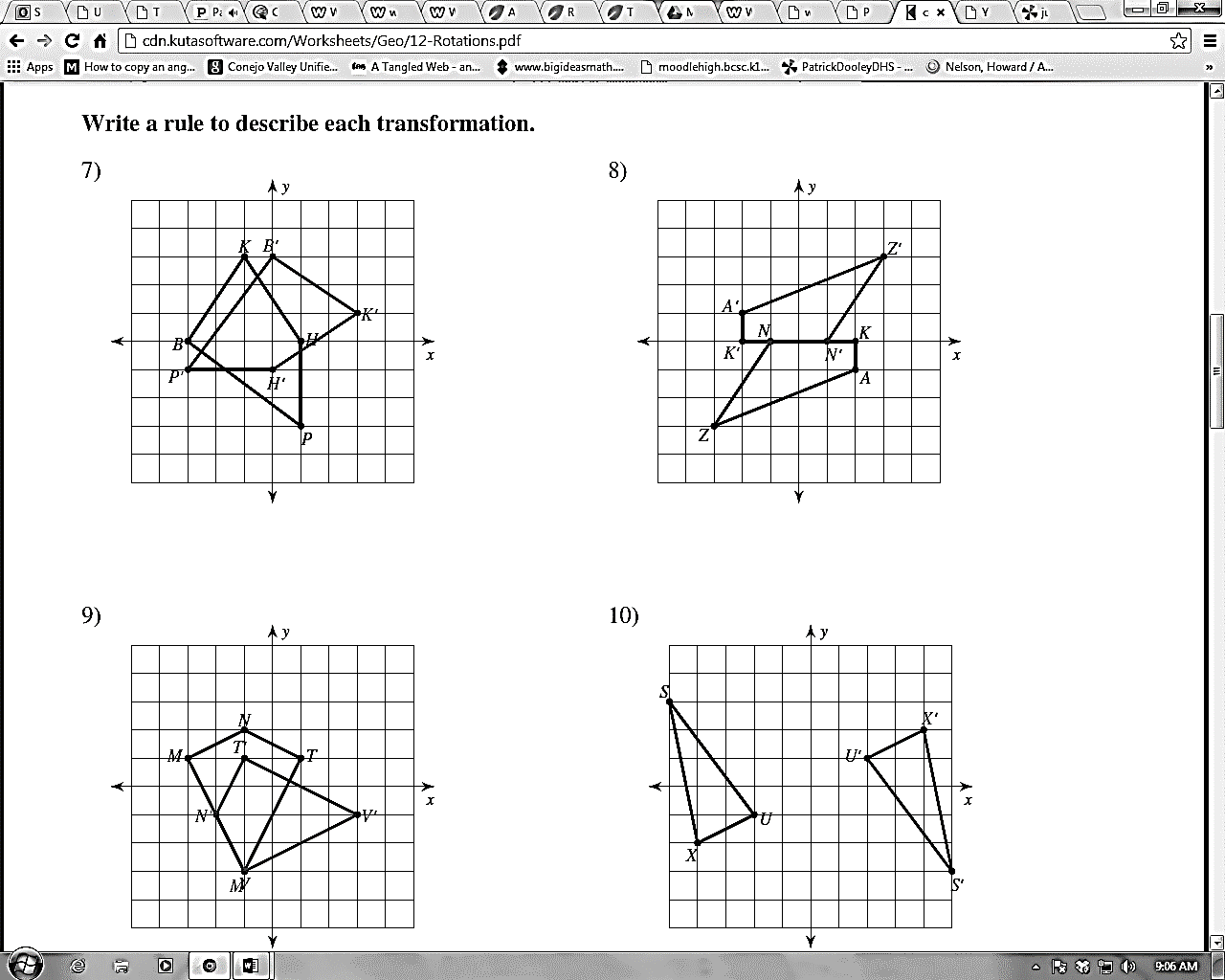
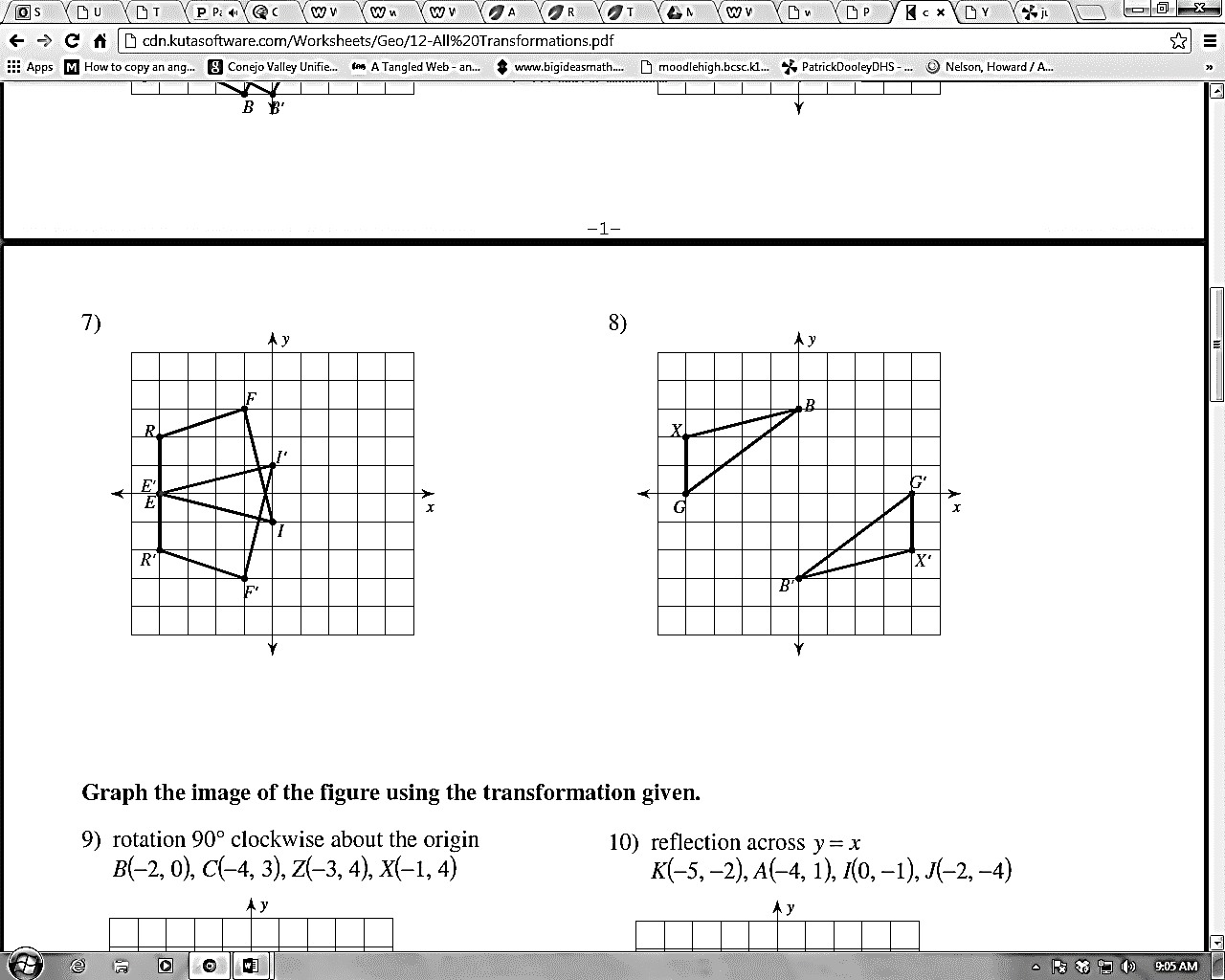
1. **Graph the image of the figure using the transformation given. LABEL THE COORDINATES!**

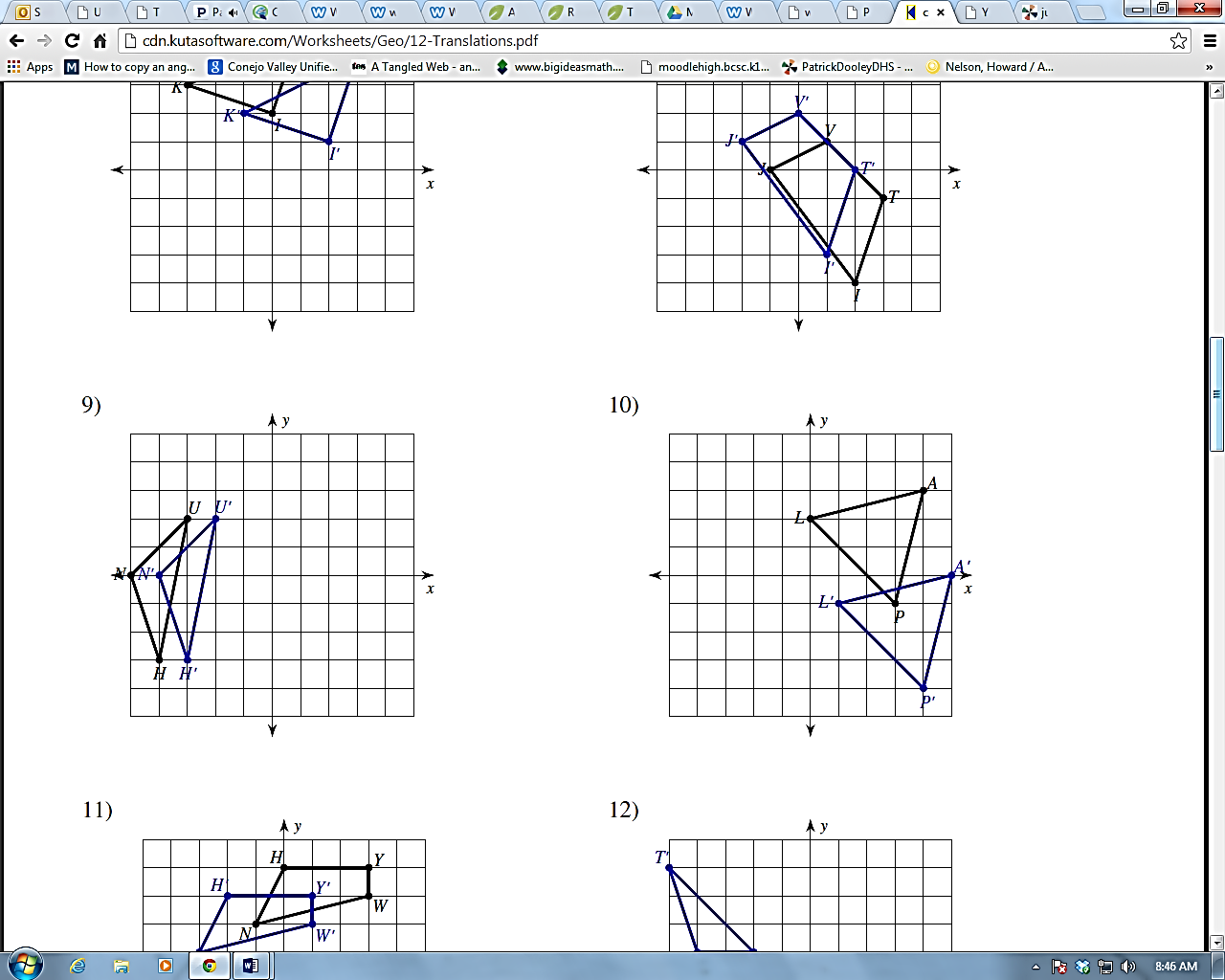
a) translation: 5 units right and 1 unit up b) translation: (x, y) 🡪 (x – 3, y) c) Rotation 90 degrees cw about the origin



d) Rotation 180 degrees ccw about the origin e) Reflection across y = –2 f) Reflection across y = x



**2) Write a rule to describe the transformation.**

a) b) c)

**3) a) Rotate the 120 degrees ccw about point R. b) Rotate 50 degrees clockwise**

3) Triangle JKL has vertices J(2,4), K(3,1), and L(3,3). A translation maps the point J to J'(3,3). What are the coordinates of K'?

4) Triangle HEY has been translated to Quadrilateral MAN. Given H(1, 3), E(5, -2), M(-4, 5), N(-5, -1), find the coordinates of *H* and *N*. Then write the coordinate form of the transformation.

5) The image of A(-2, 5) under a reflection is A’(2, - 5), Which reflection was used? How do you know?

6) Triangle GEO has been reflected across the x-axis, reflected across the y-axis, and then translated using the following rule: (x, y) 🡪 (x – 2, y + 3). The result has vertices G’(-6,1), E’(-4, 2), and O’(-2, 1). Find the coordinates of G, E, and O.