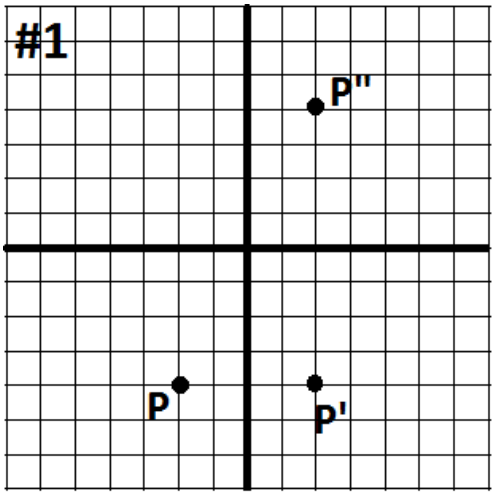
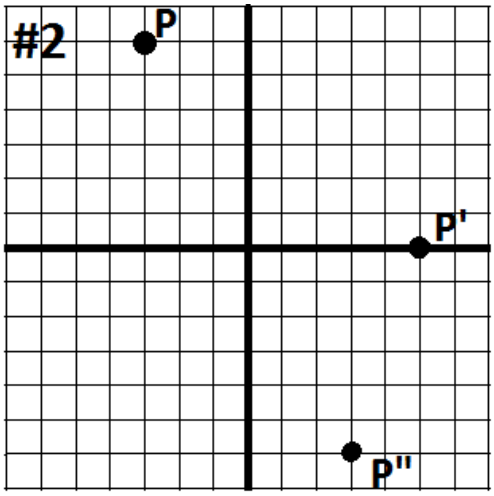
Geometry Starter Name_____

Monday September 16, 2013 period 1 2 3 5 6

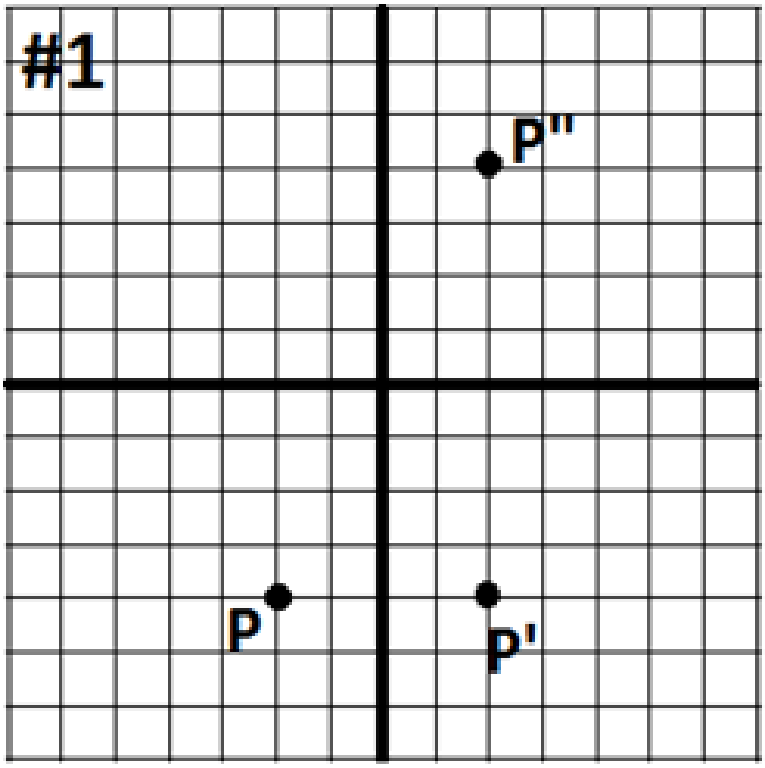
FOLLOW DIRECTIONS: Answer the questions below. Do what is asked of you.





Write the equation of the line of reflection that carries P onto P'. Write the equation of the line of reflection that carried P' onto P". We learned from the activity on replacement page 23 that a double reflection in intersecting lines is equivalent to what single transformation? Record two specific details about this single transformation for the graph above?	Use a straight edge to connect P and P'. Locate the center of segment PP' and indicate the location with a bold point labeled M. Record the slope of PP': Record the coordinates of M: Use a straight edge to draw the perpendicular bisector of PP' and write the equation of this line using point-slope form: Use a straight edge to connect P' and P". Locate the center of segment P'P" and indicate the location with a bold point labeled N. Record the slope of P'P": Record the coordinates of N: Use a straight edge to draw the perpendicular bisector of P'P" and write the equation of this line using point-slope form: On the graph locate the intersection of the two perpendicular bisectors. What is the significance of this point? Describe in detail the single transformation that carries P onto P"? Measure the angle using a protractor.

#1



#2