1. Identify all the adjacent angles pairs that form a	2. Write a rule for the transformation.
linear pair.	$B \qquad 4 \qquad Y \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad 4 \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad B' \qquad A \qquad X \\ -4 \qquad 0 \qquad A \qquad A \qquad X \\ -4 \qquad 0 \qquad A \qquad A$
	$(x, y) \rightarrow ($, $)$
3. ∠XYZ and ∠PQR are supplementary. Find the measure of each angle.	4. After a rotation of 90° was applied, the image was at A'(4, 2), B'(2, 6), C'(10, 1). What are the coordinates of the preimage?
m∠XYZ = 2x° and m∠PQR = $(8x - 20)^\circ$	
5. An angle measures 9 less than 8 times its	6. Find the length of MP
supplement. Find the measure of the angle and the	M 17 N 3y P
measure of the supplement.	• 5 <i>y</i> + 9
7. The triangle is reflected over each parallel line.	8. What type of transformation occurred?
What is the total distance it would move if the lines are	s c
the original figure to the final figure?	
	R R'
9. m∠1 = 75°	10. The triangle is reflected over the two intersecting
Find the measure of each angle in the figure.	Ines. If the triangle moved 150° what was the angle between the intersecting lines? What type of
	transformation occurs from the original figure to the final figure? Where is the point of rotation?
3	
What type of angle pair are $\angle 1$ and $\angle 4$?	
What type of angle pair are $\angle 1$ and $\angle 3$?	



Review Part 2: Due at the start of class on Thursday 10/17 or Friday 10/18 before you take the midterm.	
20. Bisect the segment below using a compass. Mark the congruent segments.	21. Draw ∠MOP = 67°. Bisect the angle using a compass.
22. Construct an equilateral triangle using only your compass and a straight edge. It should have the given side length.	23. Construct an isosceles triangle. Mark and congruent sides and any congruent angles.
24. Rotate the triangle –70° about the given point using a compass and protractor.	25. Find the center and angle of rotation. Label the center point x.

