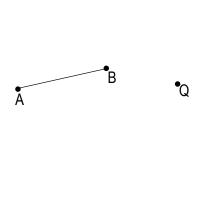
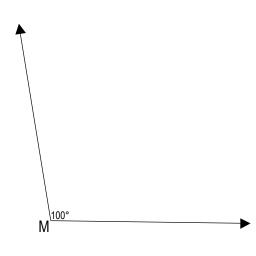
□ DO	NOW – Geometry Regents Lomac 2014-2015 Date	<u>10/15</u> d u	due 10/16 Constructing Rotations 2.5		
(DN) Draw segment AB with midpoint M and angle TVS with vertex V. Is vertex V a midpoint? How do you know? Is midpoint M also a vertex? How do you know?		Name	Per		
		SLO:			
<u></u> (1)	Rotations notes Complete the rotation notes on page	e N10			
N10	R		()		
(2) Transparency Dry erase marker Eraser	Rotations Demonstrate rotations of the plane with traffunction notation Use function notation to describe each rotation. Verification original figure and rotating according to the function of the plane with traffunction notation notation to describe each rotation. Verification is a second original figure and rotating according to the function of the plane with traffunction notation.	y that eac otation tha	ch diagram illustrates a rotation by tracing the		
	Function: Function:		Function:		
	I know that all three of these are rotation functions be	cause (1)) a rotation function is		
	and (2) when I traced and rotated each figure,				
(3) compass	Rotations Construct Ro, 70°(P)				
	• P				
	0•		70°		
	From the notation, you must rotate point around point a measure of in a direction.				
	If you rotate a point and trace its path, what shape do How can you use the 70° angle to help with your cons				

	(4)
com	nass

Rotations Construct $R_{Q, \angle M}(\overline{AB})$ List your steps. Use a different color highlighter to show the rotation of each point.





Step 1:			

Step 3:			

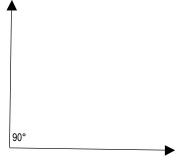
Sten 5:		
olep 3		

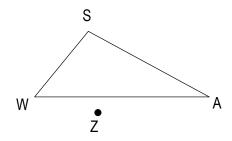
$\overline{AB} \cong \overline{A'B'}$ because		

(5) compass

Rotations Practice Perform each rotation.

 \prod_{\cdot} (a) $R_{Z, 90}$ °(\triangle WAS)





(5) cont compass	Rotations Practice Perform each rotation. ☐ (b) R _{0,90°} (△NOT) N 90°
	△NOT≅△N'O'T' because
<u>(6)</u>	Exit Ticket \square (a) Draw point A, point B. Off to the side draw acute angle C. Then construct the transformation function $R_{B,\angle C}(A)$
[7]	Homework (next page)

				2.5	
(7)	Homework ☐ (1) Describe each function notation R _{X, 30°} (Y)				
	R _{C,-120°} (\triangle LMN)				
	r _{₽Ö} (△ZOT)				
	$R_{H, \angle C}(\overline{AT})$				
	(2) Sketch each of the following: (a) Z is the midpoint of \overline{AE} (b) $\overrightarrow{QR} \parallel \overrightarrow{ST}$ (c) \angle SAL and \angle LAD are a linear pair				

(3) Construct equilateral triangle BOS. In triangle BOS, bisect angle B.