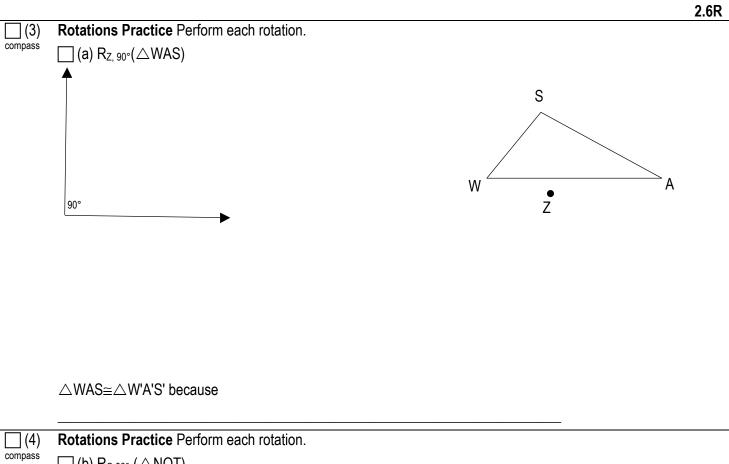
	etry Regents Lomac 2015-2016	Date <u>10/8</u>	due <u>10/9</u>	Constructing Rotations 2.6R
	NOW – On the back of this packet	Nan L	O: I can use functi	on notation to describe rotations d can construct rotations with a traightedge.
(1) compass	Rotations Construct Ro, 70°(P)			
	۰P			
	0•			70°
	From the notation, you must rotate point		: a measure o	of in a
	If you rotate a point and trace its path, w How can you use the 70° angle to help v			
(2) compass	Rotations Construct $R_{Q, \angle M}(\overline{AB})$ List ye Use a different color highlighter to show (Number your steps)		point.	
	Å	€Q	M	
	Step 1:			
	$\overline{AB} \cong \overline{A'B'}$ because			





△NOT≅△N'O'T' because ___

Image: Solution of the sector of

 \Box (1) Construct the rotation. $R_{-90^\circ,F}(\triangle ABC)$ (If you ever need to, you can use the corner of a piece of paper to measure 90°. See lesson 2.4 if you need to review what the notation means.)

.F С

90°

				2.6R		
(7) cont, compass highligh- ters	Homework					
	(2) Sketch each of the following: (SEE NOTES)					
	(a) $\overline{QR} \perp \overleftarrow{ST}$ (b)	\overrightarrow{VW} bisects \overrightarrow{XY}	(c) $\angle LMN \cong \angle OPQ$			
	(3) Describe each function notation in words.					
	R _{X, 30°} (Y)					
	R c, -120°(△LMN)					
	r _{₽₫} (△ ZOT)					
	$R_{H, 2}c(\overline{AT})$					
	(4) Sketch each of the following: (SEE NOTES)					
		\longleftrightarrow \longleftrightarrow	(c) ∠SAL and ∠LAD are a linear pair			
	$(a) \ge b \text{ the midpoint of } AE \qquad (b)$		$(0) \rightarrow 0$ and $\rightarrow 1$ and $\rightarrow 1$ and $\rightarrow 1$			

(5) Construct equilateral triangle BOS. In triangle BOS, bisect angle B. How many degrees is angle B?

Exit Ticket	Name	_ Date Per	2.6R
(1) The LO (Le	arning Outcomes) are written below your name	e on the front of this packet	. Demonstrate your achievement of
these outcome	es by doing the following:	1	
🔲 (a) Constru	ct the transformation function $R_{B, \angle C}(A)$		
		C	

•В

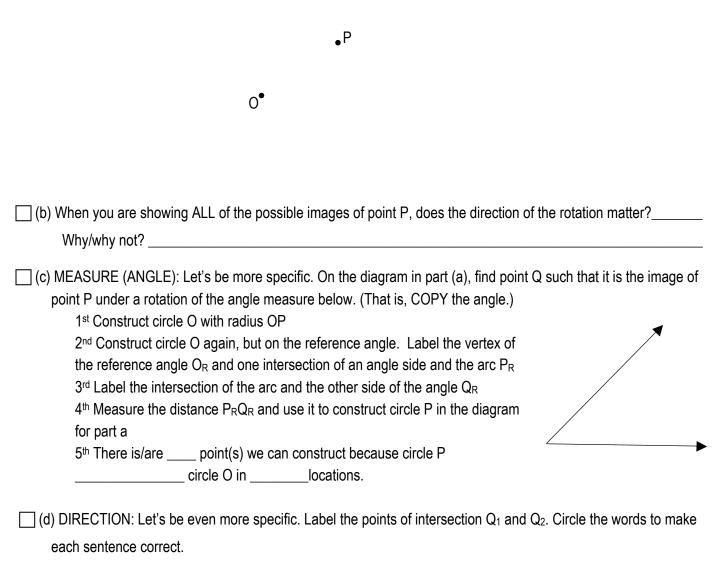
• •

DO NOW	Name	Date	Per	

(1) To perform rotations, we need a CENTER, an ANGLE MEASURE, and a DIRECTION.Lets look at each part of a rotation separately.(Complete parts (a) and (b) on your own and do as much of part (c) as you can)

(a) CENTER: Show all of the images that can be made by rotating point P around the center of rotation O.

2.6R



Q1 is a clockwise/counterclockwise rotation which means it is positive/negative.

Q₂ is a clockwise/counterclockwise rotation which means it is positive/negative.

(2) What is this guy doing? How does this relate to today's Learning Objective (LO)?

