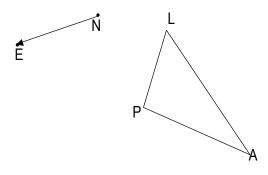
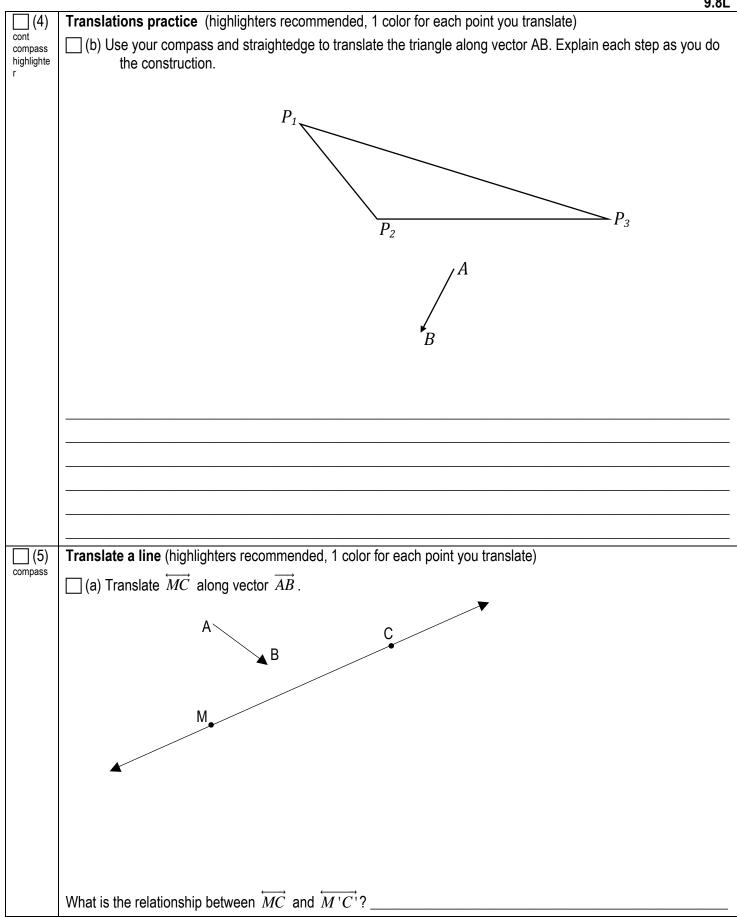
					-			1
Geome	ry Local Lomac 2015	-2016	Date <u>2/26</u>	due <u>3/1</u>		Constructing Tra	Inslations	9.8L
Name LO:	l can translate figures translations.	s by construction	on and write	e and interp	ret function notation	for		
	IOW On the back	of this packet						
□ (1)	Translation notes							
(2) tracing paper compass	Translations: preservation of distance, angle measure, and direction (a) Use tracing paper to visualize the transformation function of the plane.							
	T _{₽Q} (Z)					T <i>ਜ</i> ਜ(<i>TD</i>)		
	P Q Z					D	R	,

(b) Use the fact that translations preserve distance to construct the translation of each figure above.

(3) Translations practice (highlighters recommended, 1 color for each point you translate)
 ^{compass} (a) Construct the translation of triangle PLA along vector NE and write the translation in function notation. Use highlighters to make your work clear. Transparencies may help you see what to do.





(6) Exit Ticket

ON THE LAST PAGE

(8) Homework

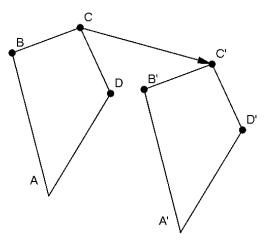
 \Box (1) The translation weater COI is shown

 \square (1) The translation vector CC' is shown. Draw the translation vectors for B, A, and D.

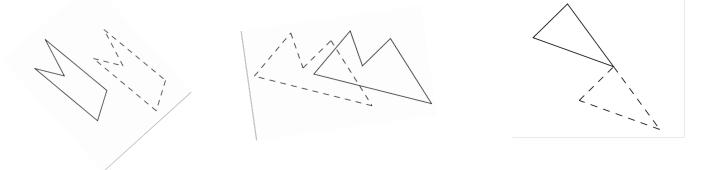
What do you notice about all of the vectors you have drawn?

They are all _____

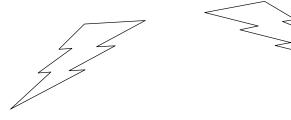
and _____



(2) Draw 1 translation vector for each preimage-image pair. The preimages are solid while the images are dashed. (remember, vectors end with an arrow)

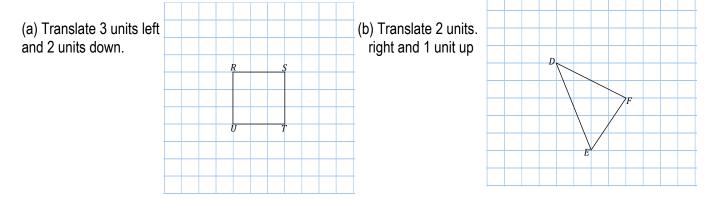


(3) Construct the line of reflection for the images below. (lesson 2.3 #4)

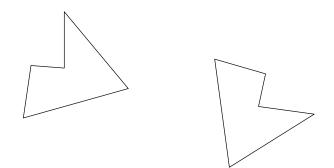


(8) Homework

(4) Use the grid to translate each figure as directed. Draw the translation, label the images with prime notation and draw the vector that defines the translation.



(5) Construct the center of rotation.



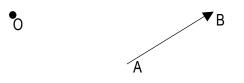
(6) Construct the line of reflection.



 EXIT TICKET
 Name_____
 Date _____
 Per_____
 9.8L

 (1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:
 9.8L

Construct $T_{\overrightarrow{AB}}(O)$.



(b) Describe why the construction you did in part (a) guarantees the described translation.

6			
DO NOW	Name_	Date _	Per 9.8L

- (1) Copy each transformation notation and describe what each means.

 - (a) r_{#Ā} (△REM) (b) R_{B,133°}(△RAT)

(a)

(b)

(2) Logic is a MAJOR concept in Geometry. What about the logic cartoon below is supposed to make people smile?

