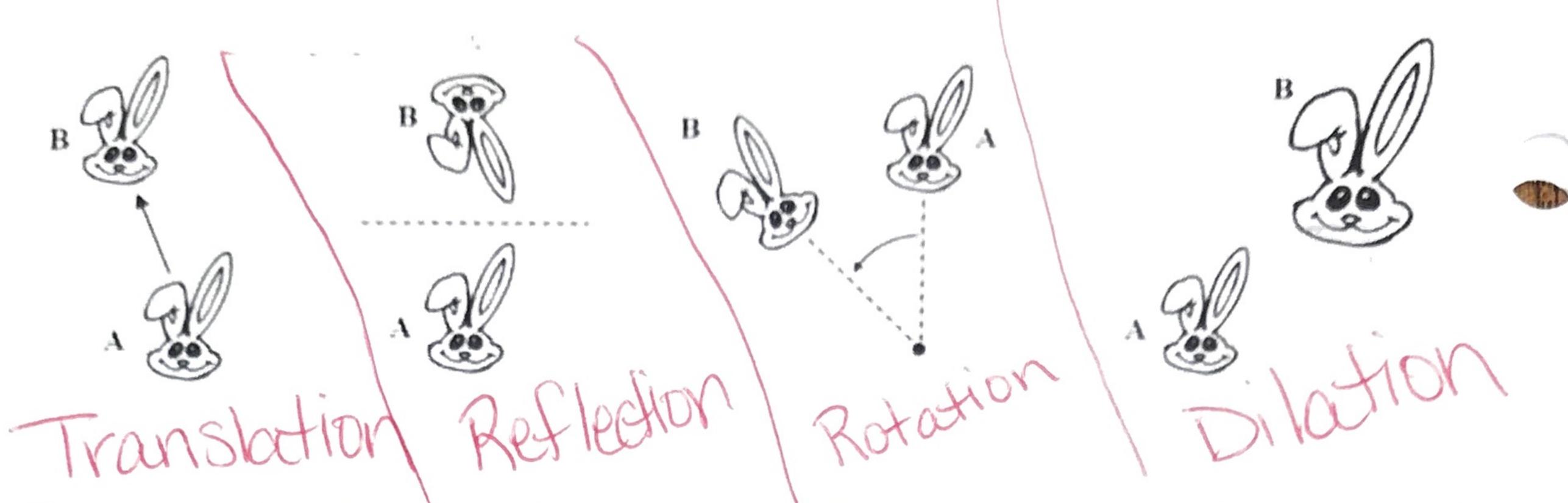
Name:	Date:	Photo Warm Com
Unit 6A: Day 1 a	nd 2: The Vocabulary of Transforms are the isometries we will study?	rmations Hour:Alg_D_
7	tance of Vocabulary ogle slides presentation to understand why	its important that we learn all the vocabulary!
2. <u>Pre – I</u>	mage: The figure before the transfo	a figure's, size, shape, location, or orientation ormation (Is what you are used to seeing!) ation (Will be indicated using "primes")
	A B' C A' C A'	When we see A' we say When we see B' we say
4. Congri	ient or Non-Congruent	Bprime" Not
Word	Congruent	Non-Congruent
Definition Su	me shape & same size	Not the same Shape or size
Example(s)		00 0 0
The symbol for cong	A way Definition	to write two triangles are congruent is ≅ △₂ △ABC ≅ △A'B' Marked on a picture
Congruent Segment (part of Shape or	Indicated by: Himarks A	2 H C' A' H C'
Congruent Angle	Angles that have the same measure Indicated by: QCCS	

DHMPSDJXT



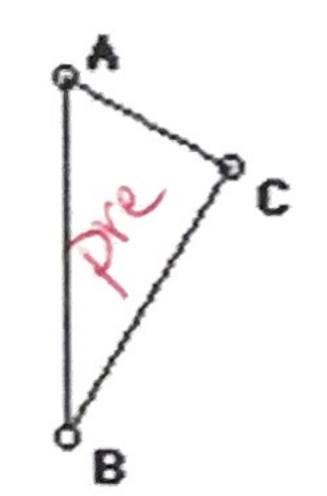
Word	Definition	One word definition	What it requires to perform
5. Translation	when a figure Moves in a direction a certair distance	more or Slide or relocate	direction à distance
6. Reflection	a mirror image created by flipping over a line		aline
	center point a given# of dearers	or reverse	acenter, a degree, & a direction
8. Dilation	achange made to the Size of a figure	Shrink enlarge grow expanded resize	center à

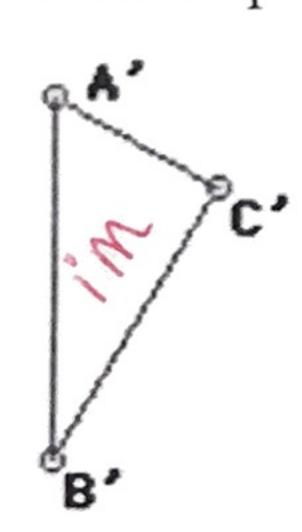
9. Rigid tranformation or Isometry: A transformation that does NOT change the SiZC

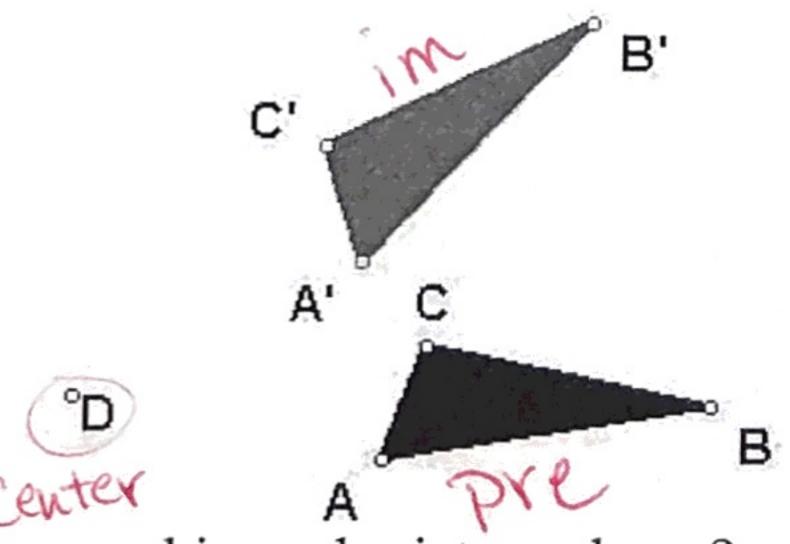
There are three isometries, they are <u>translation</u> reflection, and <u>rotation</u>.

We will look at each transformation in more detail as we go through the unit. Right now we will practice what we have learned.

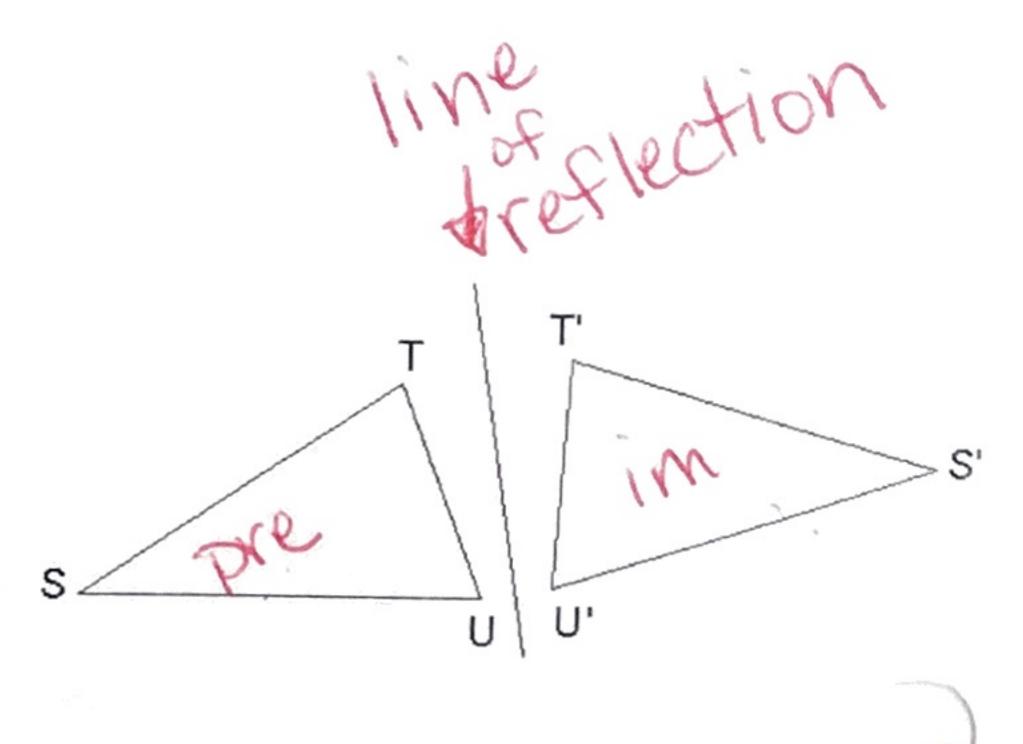
- C. Use what you've learned
 - 1. Label the pre-image and image in each picture below.







2. What transformation occurred in each picture above?

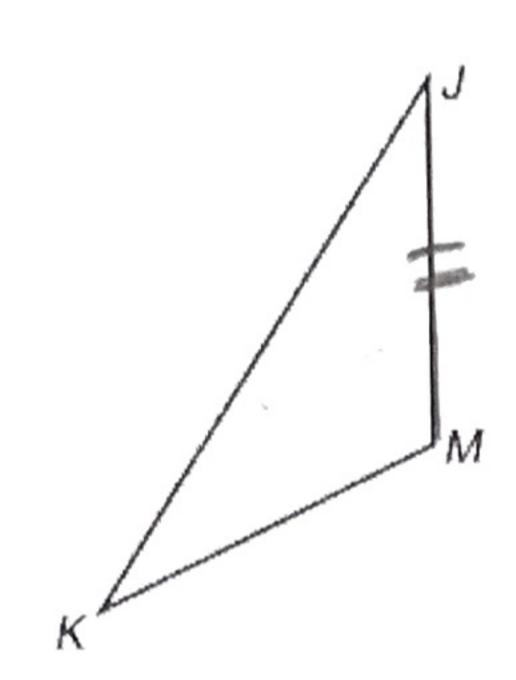


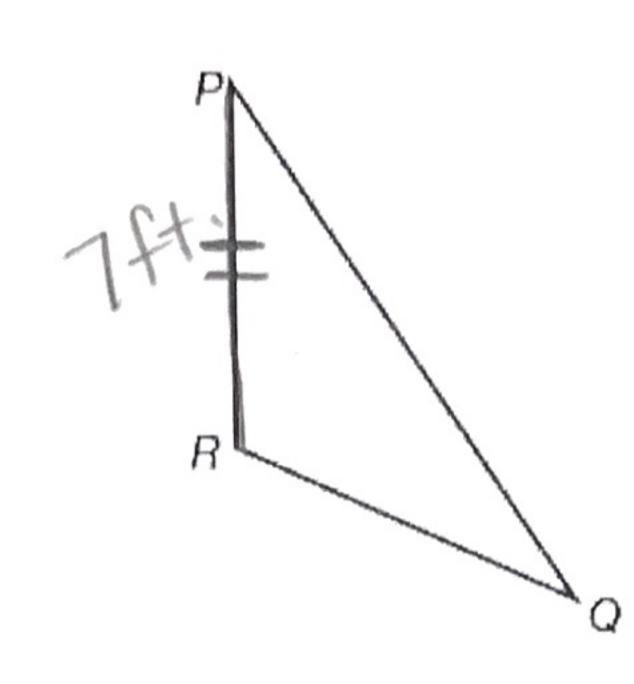
*

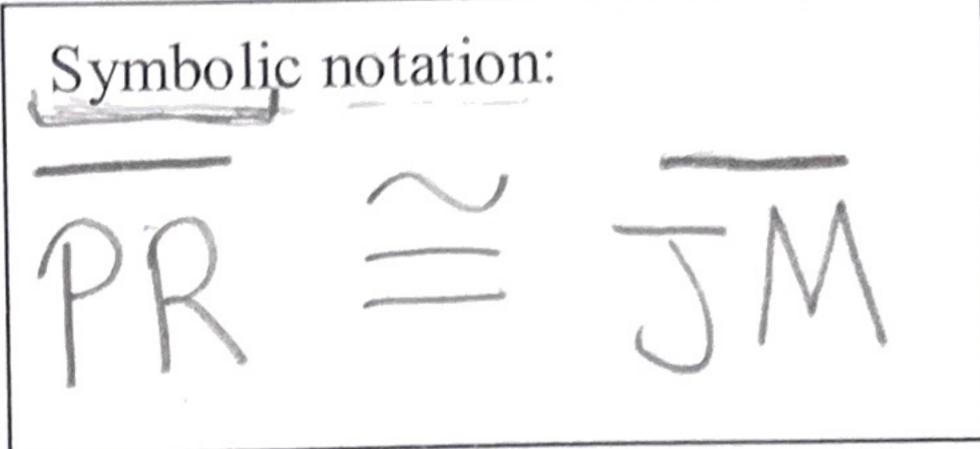
3. Choose the correct	answer to each question below	V .	
Reflection of	> ?		
(a) •	b)	c) •	
Translation of (a)	> ?	c) ᡨ	
Rotation of a)] ? b)	(c)	
4. Write congruent or	not congruent for each. If one	of the 4 transformations occurred,	identify it.
a	b. () ()		
d. MAZ	e. D	tion Not?	

5. Mark the picture to show that segment PR and segment JM are congruent. Then, write it in symbolic notation.

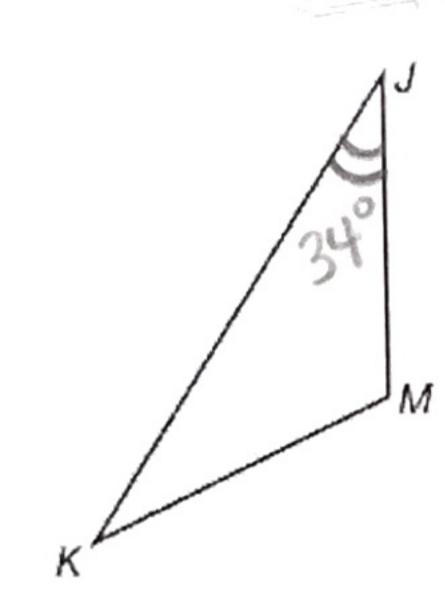
Didelta Ditriangle Ditriangle 9.8° Repeating PR: Segment

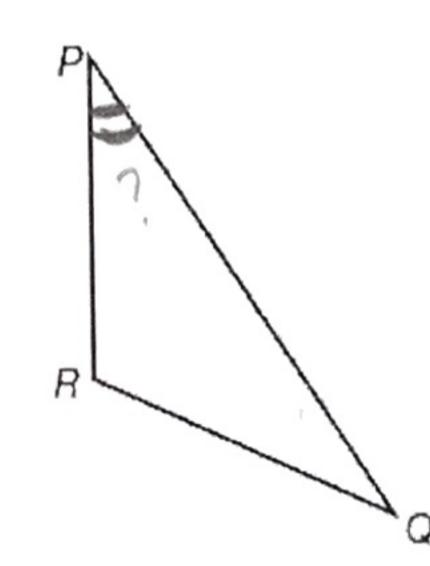


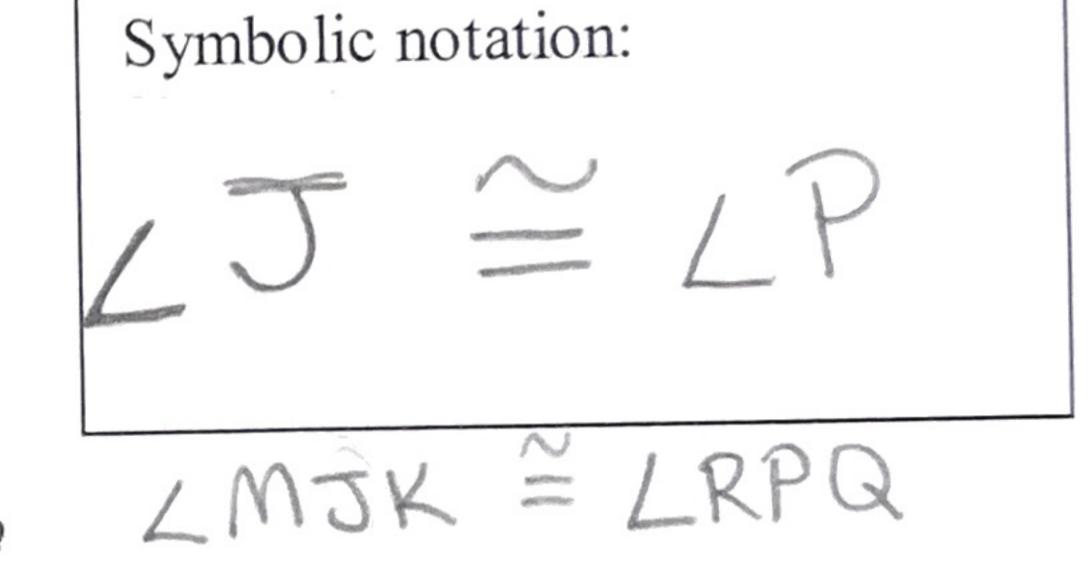




7. Mark the picture to show that angle J is congruent to angle P. Then, write it in symbolic notation.







8. If $m \angle J = 34^\circ$ then what is $m \angle P$? Because they are $\frac{2}{34^\circ}$

,一直接到了一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,这一个大型,这一个大型,这一个大型,这一个大型,这一个大型,这一个大型,这一个大型, 第一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,我们就是一个大型,不是