

Geometry

Good morning!

Find your seat

Start on the Student information sheet


Welcome

Index cards


Pretest

Day1 - Geometry Vocabulary

Name \_\_\_\_\_  
Date \_\_\_\_\_  
GSE Analytic Geometry, Pd \_\_\_\_\_  
Mod 0, Pre-test




1. A regular pentagon is centered about the origin and has a vertex at (5, 4).



Which transformation maps the pentagon to itself?

- a reflection across the x-axis
- a reflection across the y-axis
- a clockwise rotation of 360° about the origin
- a clockwise rotation of 144° about the origin


2. Parallelogram PQRS was translated 2 units down to form parallelogram P'Q'R'S'. Parallelogram P'Q'R'S' was then rotated 90° counterclockwise about point P' to form parallelogram P''Q''R''S''.



Which statement is true about parallelogram P''Q''R''S''?

- The figure is not convex and concave.
- The figure is not self-intersecting.
- The figure is convex but not concave.
- The figure is concave but not convex.


3. Figure ABCDEP is a dilation of figure ABCDEP by a scale factor of 2. The dilation is centered at P.



Which statement is true?

- $\overline{AB} \parallel \overline{A'B'}$
- $\overline{BC} \parallel \overline{B'C'}$
- $\overline{CD} \parallel \overline{C'D'}$
- $\overline{DE} \parallel \overline{D'E'}$

4. In the diagram,  $\overline{DE}$  is the perpendicular bisector of  $\overline{AB}$ . The two circles prove that  $\overline{AC} \cong \overline{BC}$ .



Step	Statement	Reason
1	$\overline{DE}$ is the perpendicular bisector of $\overline{AB}$	Given
2	$\overline{AD} \cong \overline{BD}$	Definition of perpendicular bisector
3	$\overline{DE} \cong \overline{DE}$	Reflexive Property of Congruence
4	$\triangle ADE \cong \triangle BDE$ are right angles	Definition of perpendicular bisector
5	$\angle ADE \cong \angle BDE$	Right angles are congruent
6	$\triangle ADE \cong \triangle BDE$	ASA
7	$\overline{AD} \cong \overline{BD}$	CPCTC

Which of the following would justify Step 6?

- ASA
- AAS
- SSS
- SAS



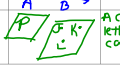





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

Geometry - Unit 1 Day 1

Vocabulary Notes

Name \_\_\_\_\_

Undefined Terms:	Description	Picture	Naming
Point	An undefined point in Geometry. It's a name & location and has no size.		Capital letter, and only one letter.
Line			A cursive lowercase letter or use 2 capital letters
Plane			A capital cursive letter or use 3 capital letters.
Defined Terms:			
Line Segment			2 capital letters AB or DC AS, RT, SR, TR etc
Ray			2 capital letters DE
Perpendicular Lines			Use the T symbol to indicate 90°
Parallel Lines			Use the > symbol to indicate parallel lines
Perpendicular Bisector of a segment			Use the tick mark to show the same length. (bisector)

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Circle			OP use the O symbol and one letter to indicate a circle
Angle	Where rays come together at a vertex		Name an angle use 3 letters or 1 letter. $\angle DCE, \angle ECD, \angle C$ $\angle CDE, \angle E$
Classifying Angles:			
Acute			
Right			
Obtuse			
Straight			
Reflex	An angle which is larger than 180° but less than 360°		

Aug 1-9:02 AM

Get out 1 sheet of paper (eyeopener):

Draw 1 triangle, draw another triangle of equal size...we will finish the rest together

Explore Weebly

sign up for Remind

look at some resources on Weebly

Lets finish vocabulary

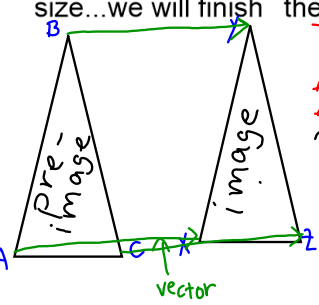
Lets start translation (p27) on the whiteboards

Learn Preimage image vector mapping rigid motion/isometry

Aug 1-9:04 AM

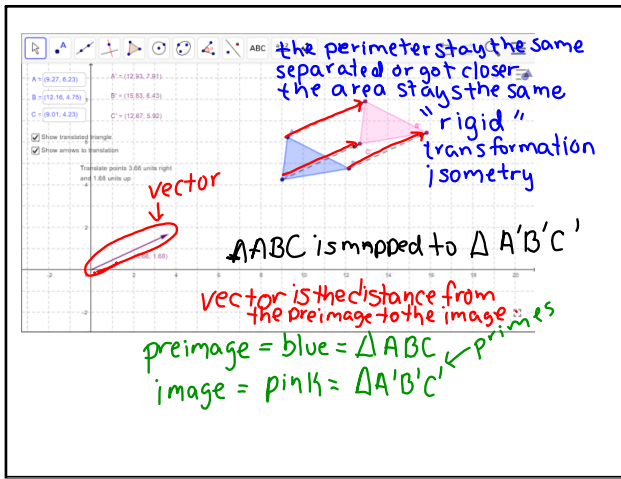
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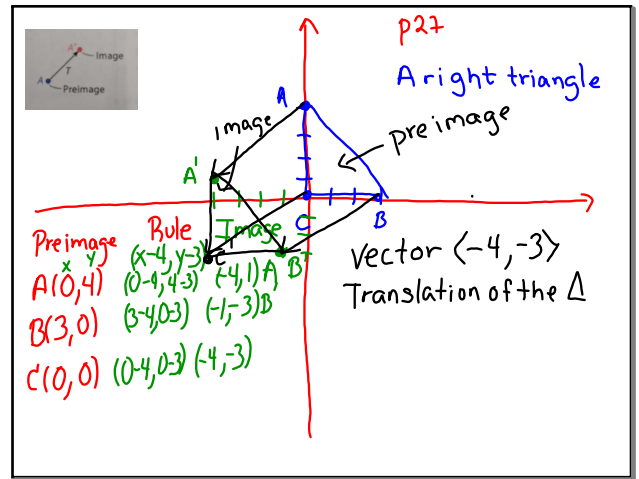


Translation on a mapping  
 $\triangle ABC$  maps to  $\triangle XYZ$   
 $\triangle BAC$  translates to  $\triangle YXZ$   
 Rigid motion/isometry

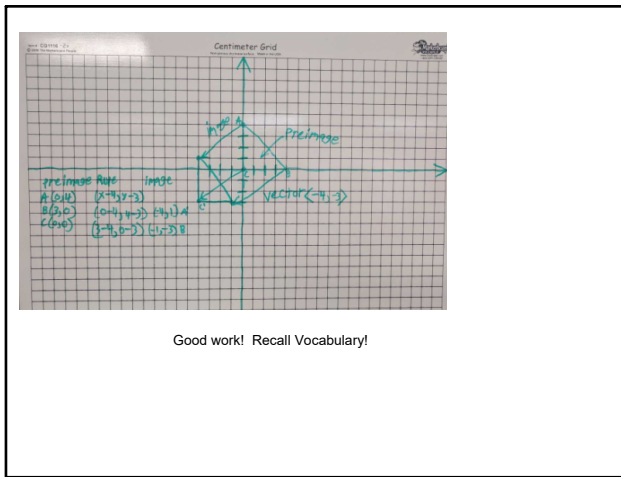
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Aug 2-12:15 PM

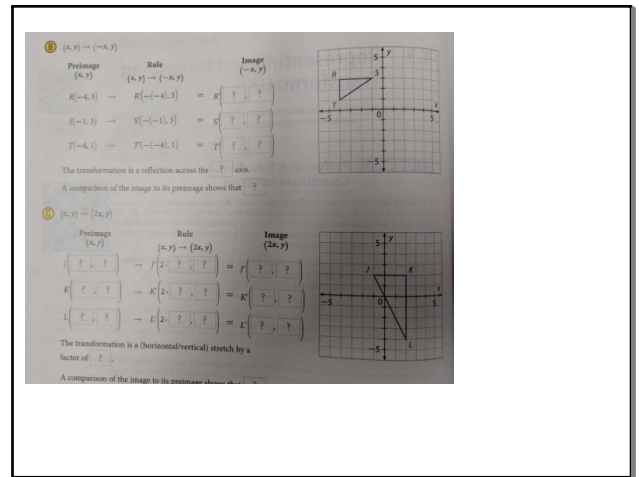


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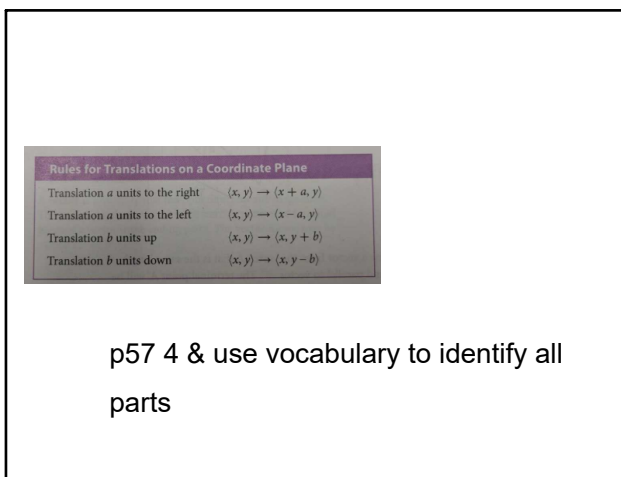


Good work! Recall Vocabulary!

Aug 2-1:55 PM



Aug 2-8:27 AM



Aug 2-8:29 AM



Aug 1-9:04 AM