Week Jan. 13-17 Lesson Overview- Midterm Exam Jan. 17-21

Monday - Semester Review by using handout with online BIM site exercises

Focus on # 14-20 problems from chapter 3 on lines and angles with parallel, perpendicular, skew, or intersecting lines

Tuesday - Confinus with review with # 21-37 problems from chapter 5 on congruence in triangles

<u>Wednesday</u> - PDs 1 & 4 work on notebooks and review areas needed such as pythagorean theorem problems.

PD 2 - Continue review with chapter 2 additions on proofs with properties and if then statements.

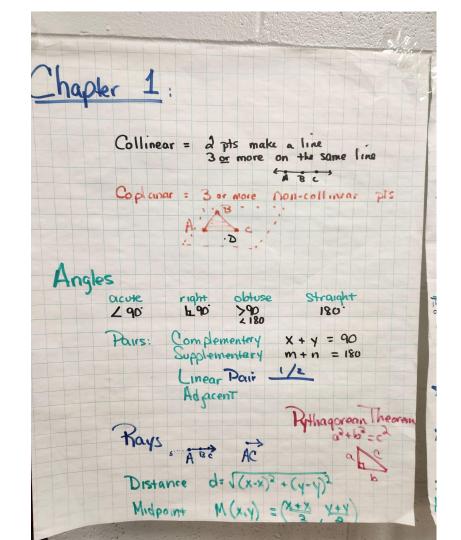
Thursday - Final review day to develop study and testing aids

Friday - DAY 1 of Math Midterms (multiple choice problems to complete in period)

Next week Monday - no class Tuesday - Day 2 of Midterms with open response problems with MC corrections permitted for the Midterm

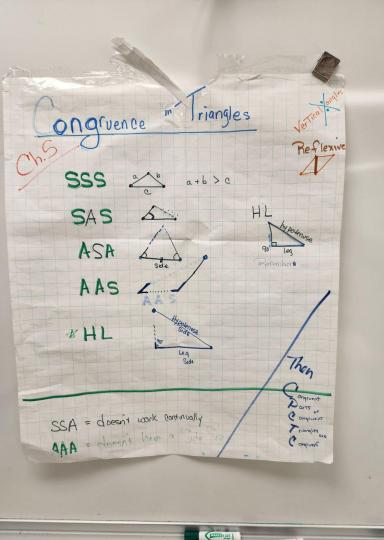
Section	Concept	
1.1	Terms Ray Line Plane etc.	ray have specific endpoint, collinear, coplanar
1.2	Adding Segments	part + part = whole, between
1.3	Distance, Midpoint, Pythagorean Thm	bisect into 2= parts, formula use
1.4	Perimeter Area	need attitude height, triangle
1.5	Adding Angles	part + part = whole
1.6	Angle Pairs	linear, complementary, supplementary, vertical
Section	Concept	
3.1	Skew Lines, Parallel, Perpendicular	transversal, planes
3.2	Angles with Parallel lines	corresponding angles
3.3	cont.	alternate interior or alternate exterior
3.4	cont.	consecutive interior
Section	Concept	
5.1	Triangle Terms, Sum 180	scalene, isosceles, obtuse, equilateral,
5.4	Isosceles & Equilateral/Equiangular Triangles	
Section	Concept	
5.3	Congruent Triangles SAS	never the general SSA formation
5.5	Congruent Triangles SSS, HL	
5.6	Congruent Triangles AAS, ASA	AAA is only similar not congruent
Section	Concept	
5.2	Congruent Polygons	ALL = by ORDER in vertice statement
8.1	Similar Polygons	Check BOTH angles and side Fractions
8.2	Similar Triangle AA~A	Sum angles 180
8.3	Similar Triangle SAS, SSS	Check Fractions

College Prep pd 2 will also have chapter 2 objectives on properties and proofs.



Chapter Parallel - Coplanar Perpendicular - 90 Eght Intersection 4 Intersecting Lines at One Point Coincident (some) - Collinear Skew - 3 dimensional do not intersect Corresponding Alternate Enverior Alternate Exterior Supplementary x + y = 180 (f) Consecutive Interior Linear Pair (Supplemontary at 1 intersection) Vertical Angles = (no need for 3, linus + porallel) Tre Parrellel are Parrellel Corresponding Angles (6,2) (5,1) (8,4) Transversal Alternate Interior Angles (5,4) (2,7) Alternate Exterior Angles (6,3) (2,1) Consecutive Interior Angles (5,2) (7,4) 180 Suplementary Linear Pair Vertical Angles

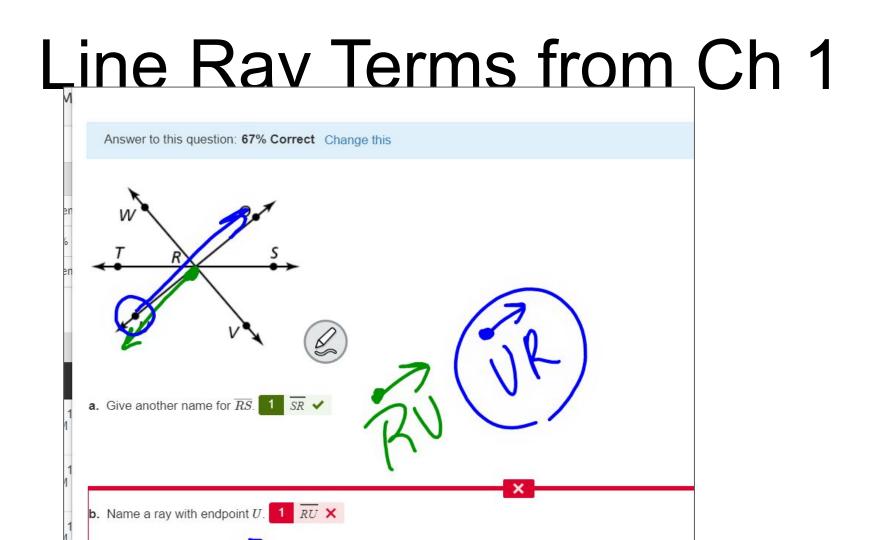
5. 5.4 riangles Sides Scalene, Foosceles, Equilateral Angles Acute, Right, Diduse, : Equilangula 60.00 Equiangular 60.60.60 Measures: Sum Inside = 180 = X+Y+ interior exterior Cases 54 m exterior M = x+y PCIA • Isoceles 6.5 Sides x leg leg X. Makes a Triangle 0 6 Equilateral Equiangular C = largest atb

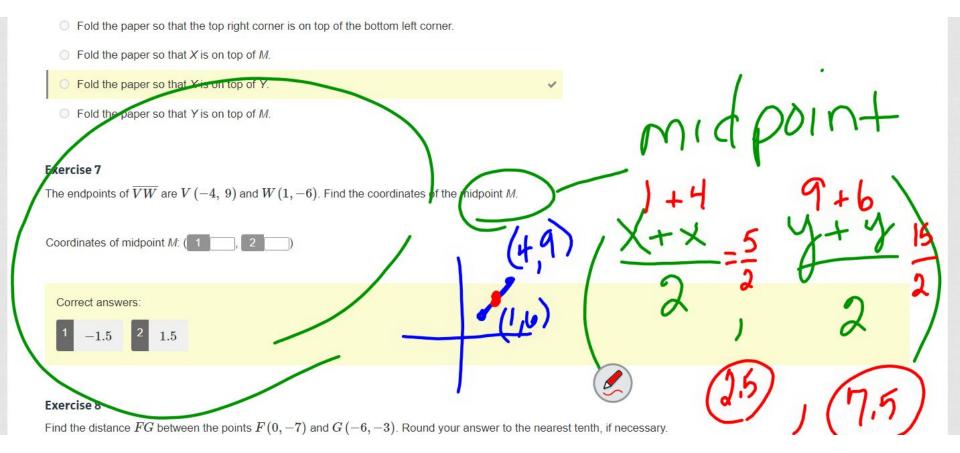


Ch. 5 paper to copy for notes

BOTH

Chapter 8 Congreent <u>vs</u> Similar Sides = <u>xA</u>^y Sides <u>x=y=z</u> Angles = <u>mA</u>ⁿ Angles = Similar Scale Factor K= old side Similar Triangles • SSS 8.2 AAA = AA~ Similar Triangles Keeps Shape · SAS

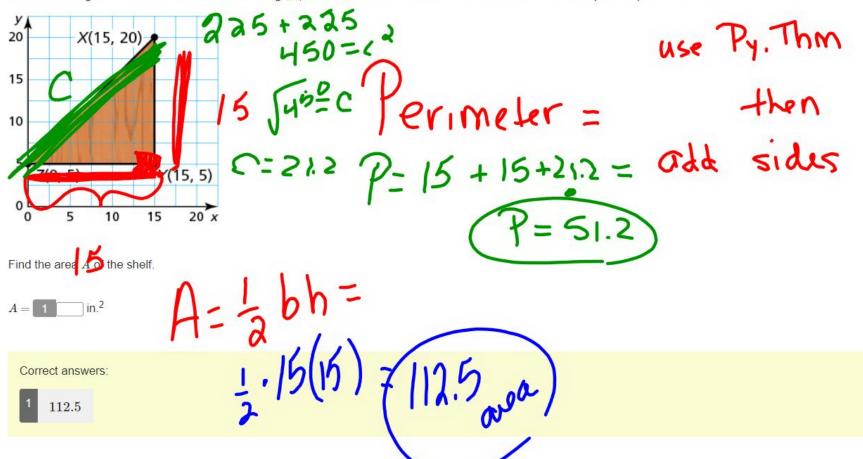




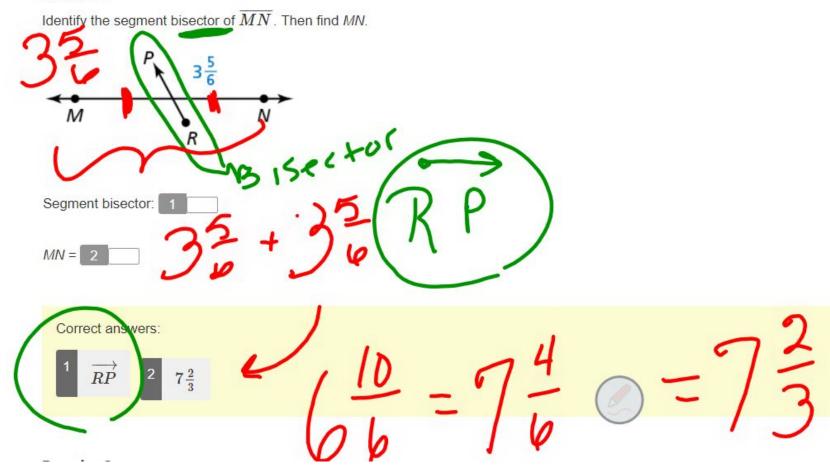
Exercise 19

8

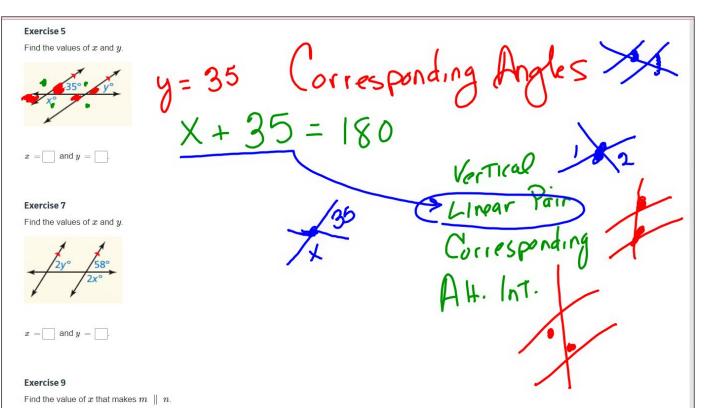
Exercise 19 363 + 163 = 16You are building a shelf that fits in a corner. In the figure the entire shelf is $\triangle XYZ$. Each unit in the coordinate plane represents one inch.



Exercise 5



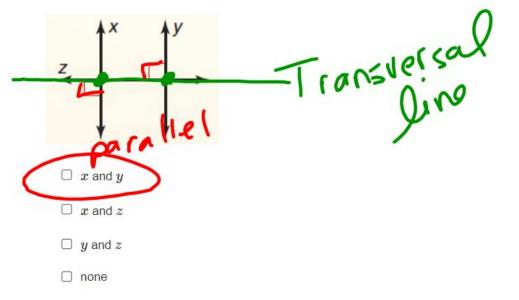
Parallel Line Angles Ch 3



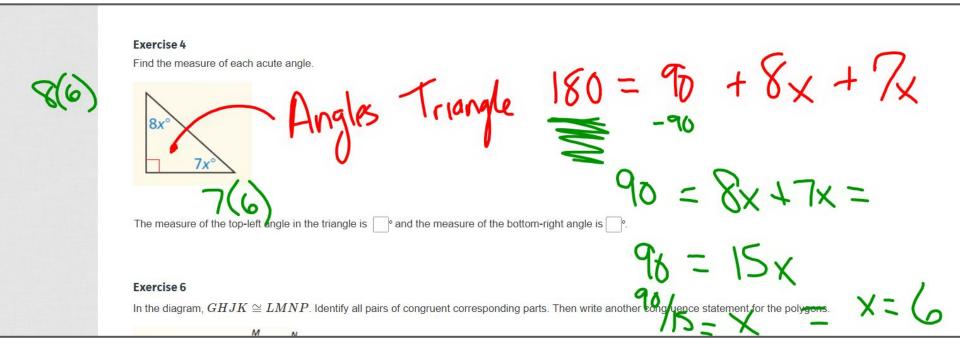
Parallel lines from Ch 3

Exercise 13

Determine which lines, if any, must be parallel.



Triangles from Ch 5



Triangles from Ch 5

