August 27, 2018

What does triangle congruency mean?

Find an explanation and a picture, using technology.

Aug 24-10:10 AM

Let's look at the triangle sum theorem...

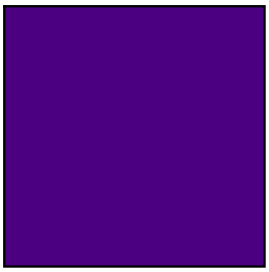
Geogebra, interior triangle sum

Geogebra, triangle sum theorem

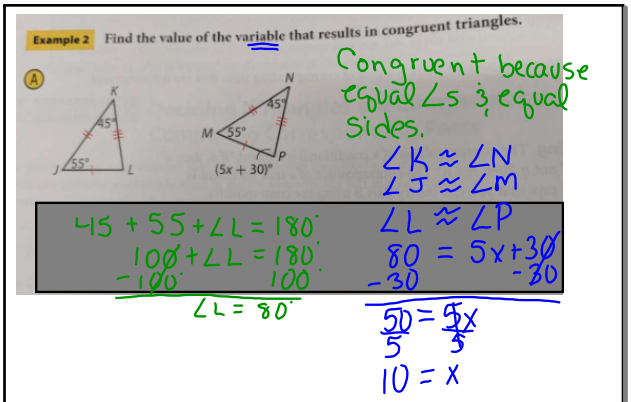
What is the triangle sum theorem?

Aug 24-10:43 AM

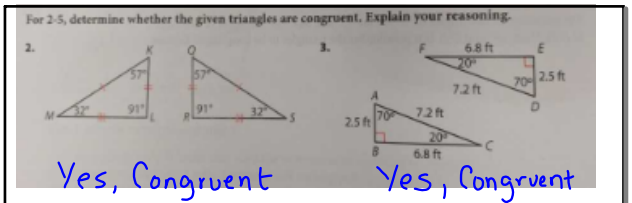
Now the triangle sum theorem using paper.....



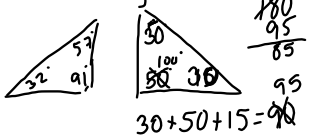
Aug 24-10:44 AM



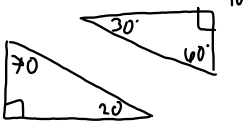
Aug 24-10:45 AM



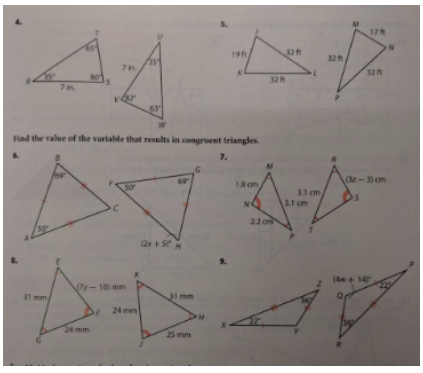
Not Congruent



Not Congruent 180 − 90 = 90



Aug 24-10:48 AM



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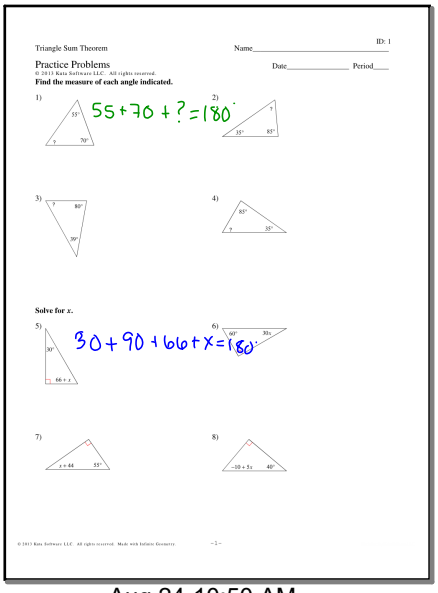
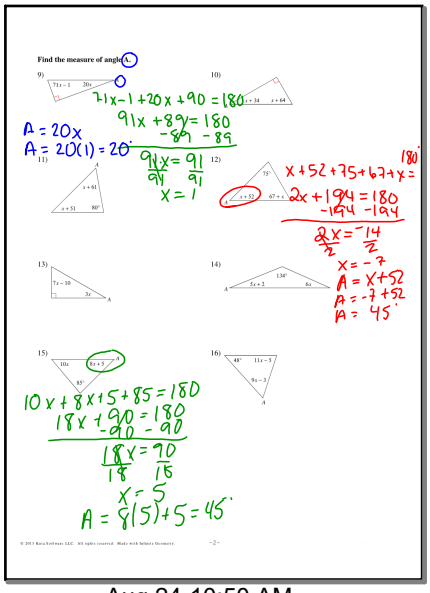


Aug 24-10:50 AM

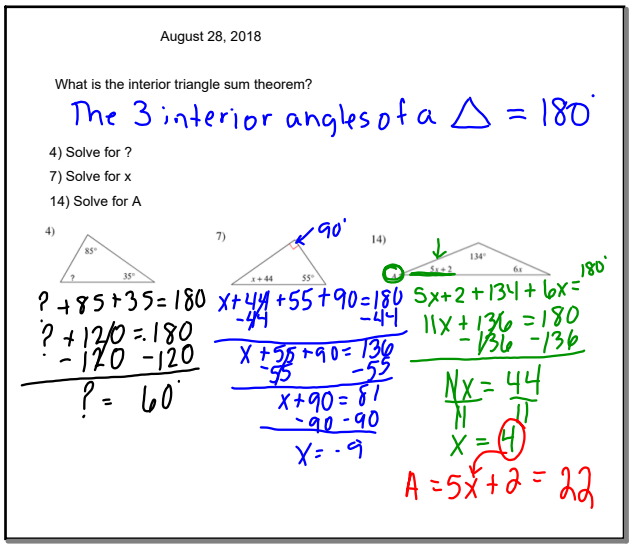


Aug 24-10:50 AM

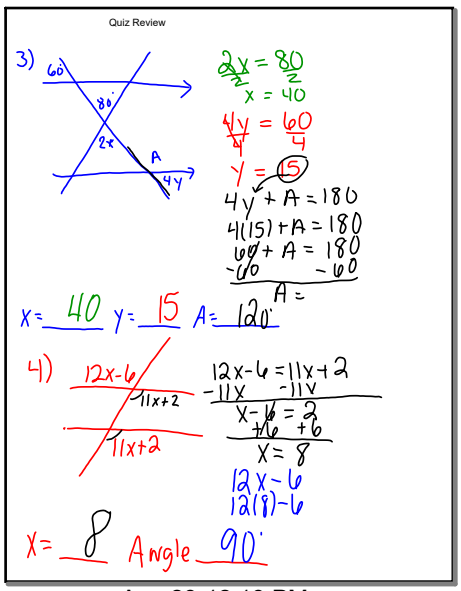
Choose 2 from #1-4
Choose 2 from #5-8
Choose 3 from #10-16

Circle these in red pen, please!

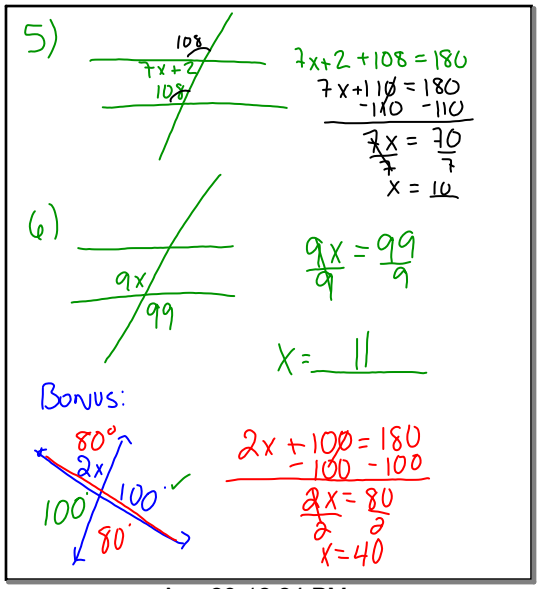
Aug 27-11:43 AM



Aug 24-10:54 AM

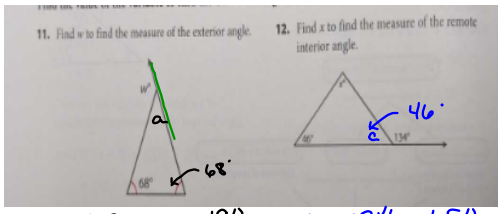


Aug 28-12:18 PM



Aug 28-12:24 PM

p278-279 #11-15



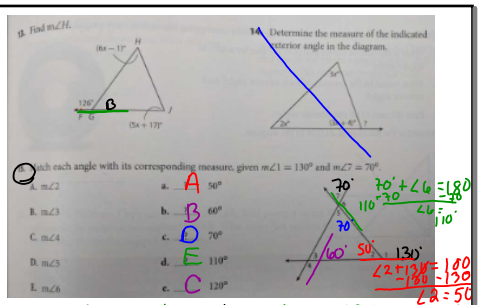
$68 + 68 + a = 180$
$136 + a = 180$
$-136 \quad -136$
$a = 44$

$a + w = 180$
$44 + w = 180$
$-44 \quad -44$
$w = 136°$

$C + 134 = 180$
$-134 \quad -134$
$C = 46$

$X + 46 + 46 = 180$
$X + 92 = 180$
$-92 \quad -92$
$X = 88$

Aug 28-7:50 AM



$6x - 1 + 5x + 17 + b = 180$
$6x - 1 + 5x + 17 + 54 = 180$
$11x + 70 = 180$
$-70 \quad -70$
$\frac{11x}{11} = \frac{110}{11}$
$x = 10$

$\angle H = 6x - 1$
$\angle H = 59$

$126 + b = 180$
$-126 \quad -126$
$b = 54$

$70 + \angle 6 = 180$
-70
$\angle 6 = 110°$

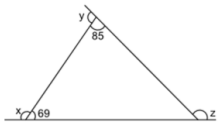
$\angle 2 + 130 = 180$
$-130 \quad -130$
$\angle 2 = 50$

$\angle 3 + 70 + 50 = 180$
$\angle 3 + 120 = 180$
$-120 \quad -120$
$\angle 3 = 60$

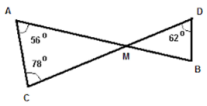
Aug 28-11:54 AM

August 29, 2018

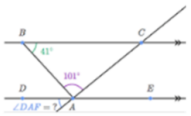
Find z.



Find b



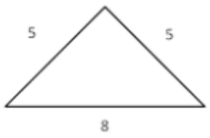
Find <BCA



Aug 28-1:42 PM

Unit 2 – Similarity Congruence & Proofs Name _____

Isosceles triangle – label all parts



Isosceles vocabulary, please define.

Isosceles triangle-

Leg –

vertex angle –

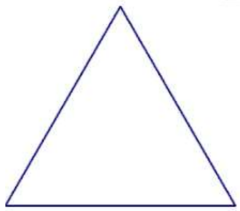
base –

base angle -

Aug 24-10:54 AM

Unit 2 – Similarity Congruence & Proofs Name _____

Equilateral Triangle



Find a minimum of three facts about equilateral triangles.

1)

2)

3)

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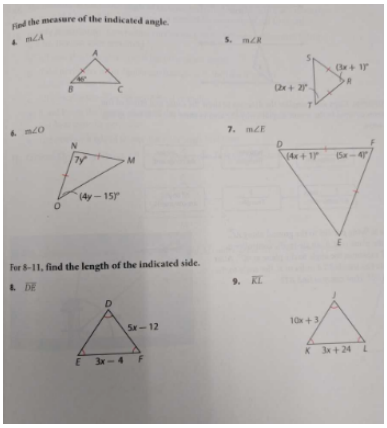
p 286

Copy Equilateral Triangle Theorem & Converse of the Equilateral Triangle Theorem.

Aug 24-10:57 AM

p289 #4-9



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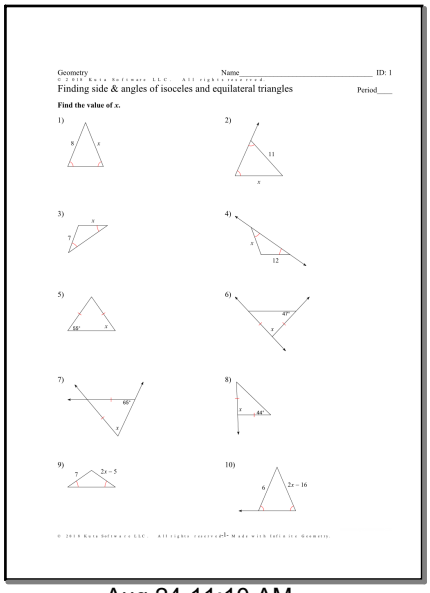

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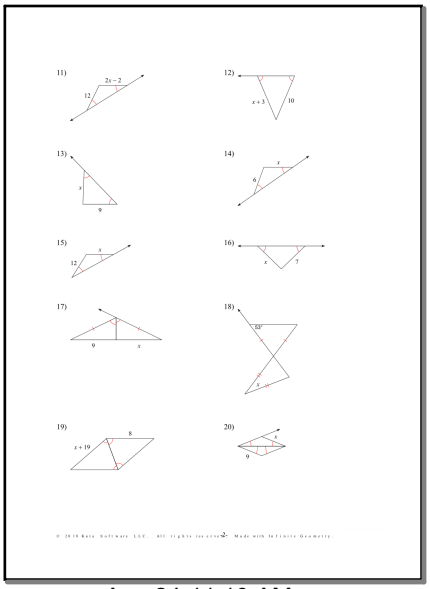
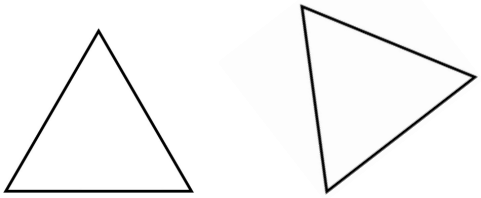


Aug 24-11:10 AM

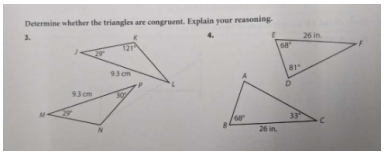
p203

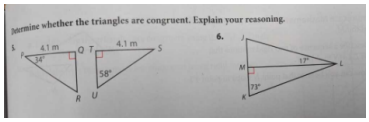
copy ASA triangle congruence theorem



Aug 24-11:11 AM

p206 #3-6



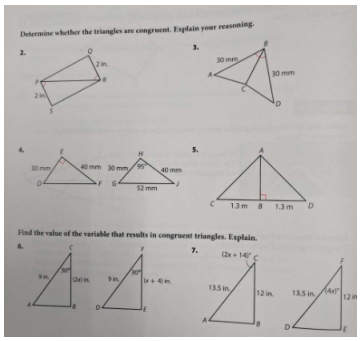


Aug 24-11:40 AM

p213 copy the SAS triangle congruence theorem

Aug 24-12:26 PM

p216 #2-7



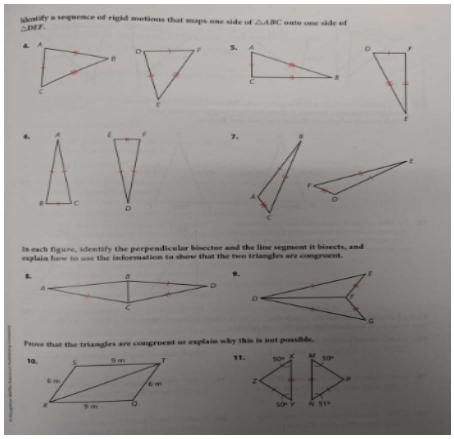
Aug 24-12:27 PM

p222

copy SSS triangle congruence

Aug 24-12:06 PM

p227 #4-11

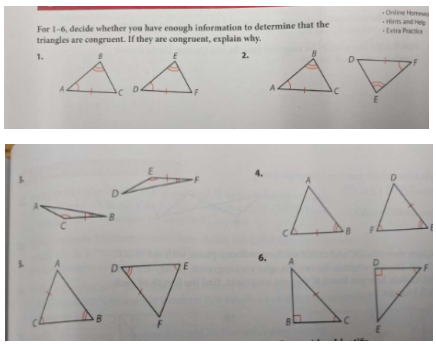


Aug 24-12:07 PM

p246 copy the AAS congruence statement

Aug 24-12:10 PM

p 250 #1-6

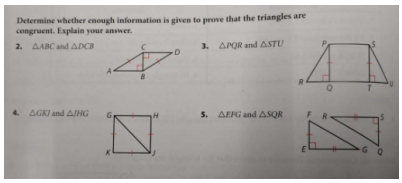


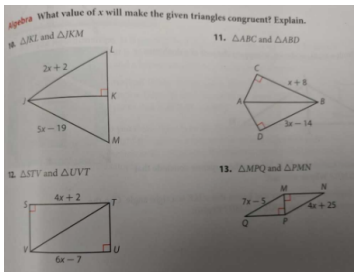
Aug 24-12:12 PM

p256 copy HL congruence theorem

Aug 24-12:14 PM

p258 2-5, 10-13





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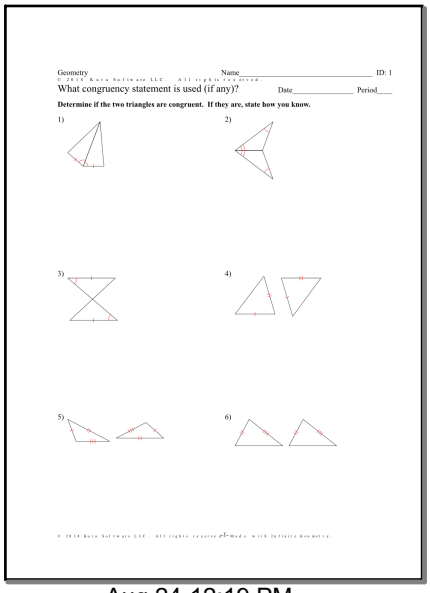

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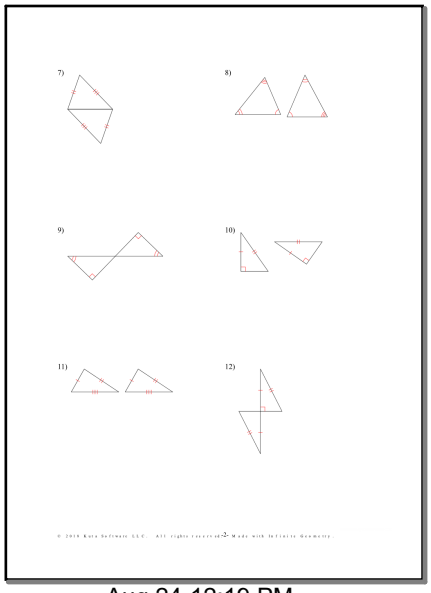

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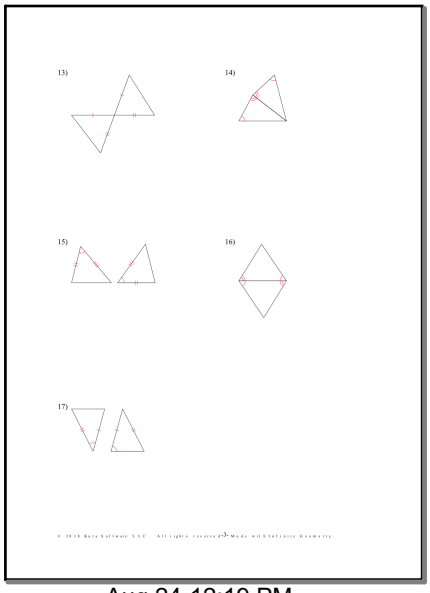

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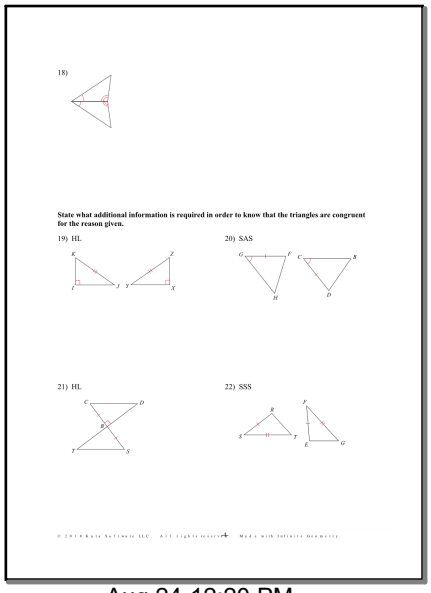

Aug 24-12:20 PM

Study Guide

Aug 24-12:20 PM

Test

Aug 24-12:20 PM

Aug 24-12:25 PM