August 20, 2018

Draw a supplementary angle
Draw a complementary angle
What do supplementary angles = ?
What do a complementary angles = ?

Aug 16-1:27 PM

Classify each angle as acute, obtuse, right, or straight.

1) obtuse
2) right
3) obtuse
4) straight
5) acute
6) acute

Aug 17-1:50 PM

Name each angle in four ways.

7) ∠EDC, ∠CDE, ∠D, ∠5

8) ∠HGF, ∠FGH, ∠G, ∠1

9) ∠HGF, ∠FGH, ∠G, ∠1

10) ∠JKL, ∠LKJ, ∠K, ∠5

Aug 17-1:50 PM

Use the angle addition postule to find the missing measurements.

11) $m\angle HIJ = 152°$ and $m\angle HIF = 60°$. Find $m\angle FIJ$.

$\angle HIF + \angle FIJ = \angle HIJ$
$60 + X = 152$
$-60 \quad -60$
$X = 98°$

12) $m\angle QRS = 135°$ and $m\angle QRH = 74°$. Find $m\angle HRS$.

$\angle SRH + \angle HRQ = \angle SRQ$
$X + 74 = 135$
$-74 \quad -74$
$X = 61°$

13) Find $m\angle CDK$ if $m\angle KDE = 160°$ and $m\angle CDE = 180°$.

$\angle CDK + \angle KDE = \angle CDE$
$X + 160 = 180$
$-160 \quad -160$
$X = 20°$

14) $m\angle JKL = 107°$ and $m\angle MKL = 85°$. Find $m\angle JKM$.

$\angle LKM + \angle MKJ = \angle LKJ$
$85 + X = 107$
$-85 \quad -85$
$X = 22°$
$\angle MKJ = 22°$

Aug 17-1:50 PM

15) $m\angle FGZ = 52°$ and $m\angle ZGH = 94°$. Find $m\angle FGH$.

$\angle FGZ + \angle ZGH = \angle FGH$
$52° + 94° = X$
$146° = \angle FGH$

16) Find $m\angle JIH$ if $m\angle JIG = 70°$ and $m\angle GIH = 52°$.

$\angle JIG + \angle GIH = \angle JIH$
$70° + 52° = \angle JIH$
$122° = \angle JIH$

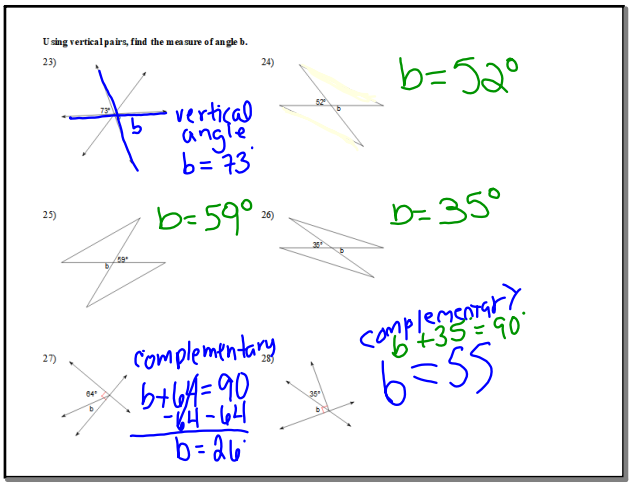
Aug 17-1:50 PM

Name the relationship: complementary, linear pair, vertical, or adjacent.

Supplementary

17) linear pair
18) adjecent/ linear pair ✓ (line)
19) complementary
20) vertical
21) adjacent
22) complementary

Aug 17-1:51 PM



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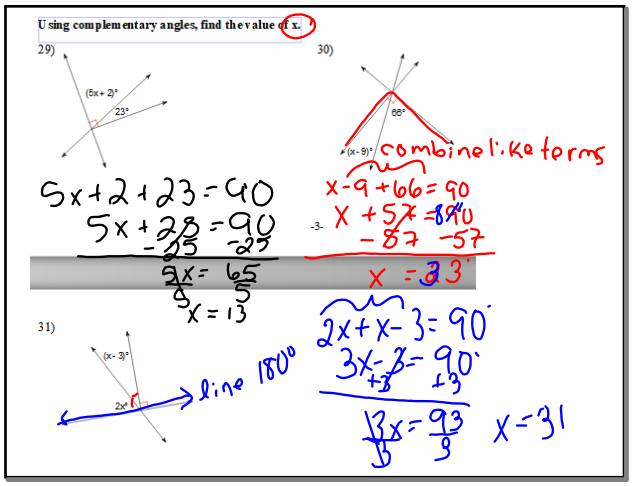

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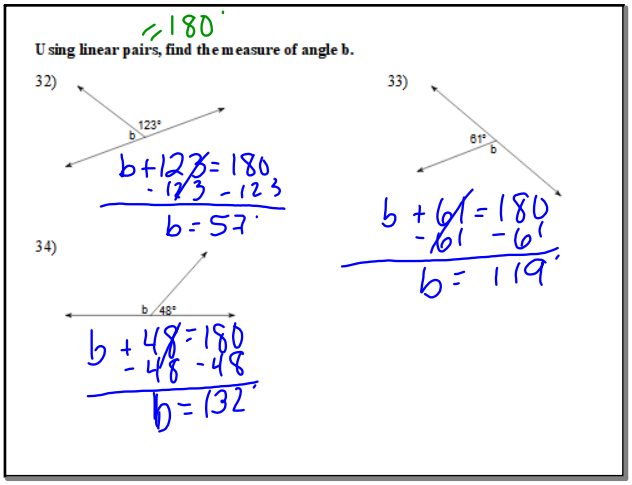

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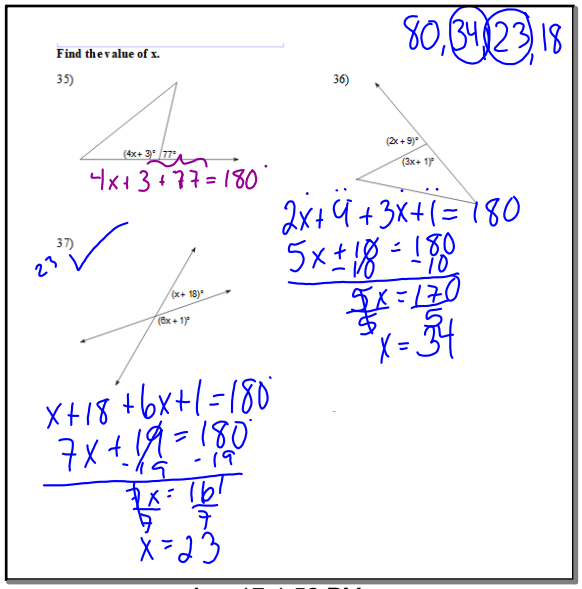

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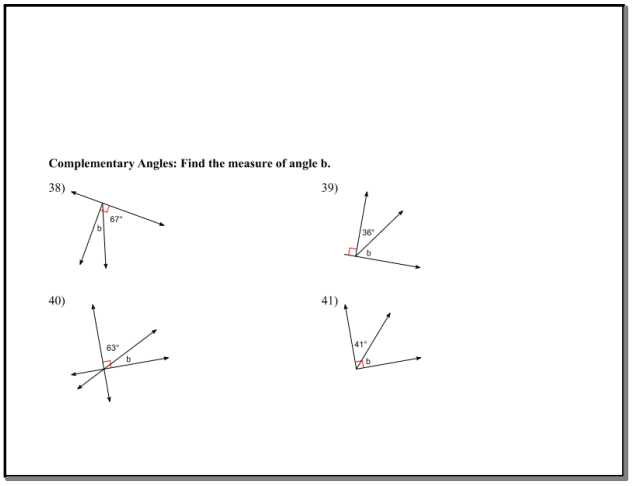
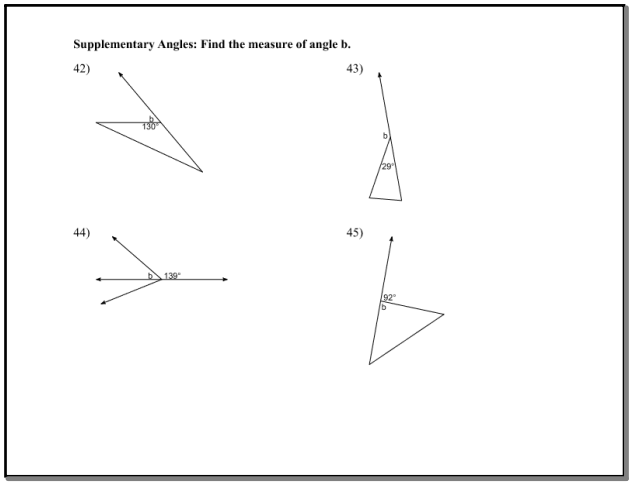


Aug 17-7:32 AM



Aug 17-7:32 AM

August 21, 2018

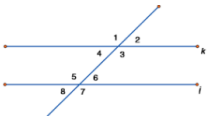
Use tech:

What is a transversal in mathematics?

Draw a picture.

Aug 20-11:51 AM

Draw two parallel line & a transversal



Aug 17-2:37 PM

The angle relationships when parallel lines are cut by a transversal are

Alternate Interior Angles

alternate sides of the transversal and interior of the parallels

Same Side Interior Angles

Same side of the transversal and interior of the parallels

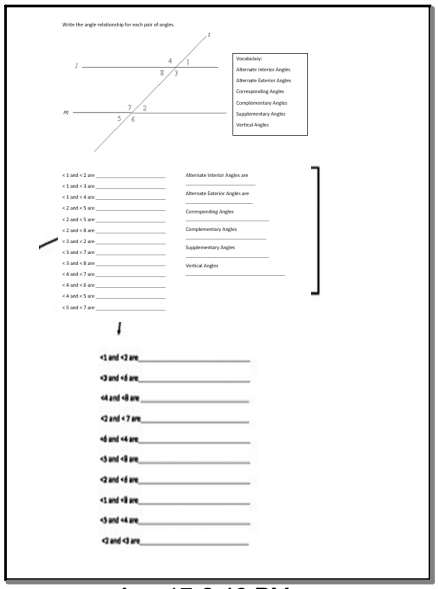
Alternate Exterior Angles

alternate sides of the transversal and exterior of the parallels

Same Side Exterior Angles

Same side of the transversal and exterior of the parallels

Aug 17-2:39 PM



Aug 17-2:46 PM

transversal practice

Aug 17-2:46 PM

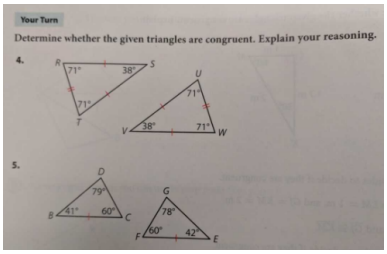
study guide

Aug 20-12:01 PM

quiz

Aug 20-12:02 PM

Congruent triangles p 194



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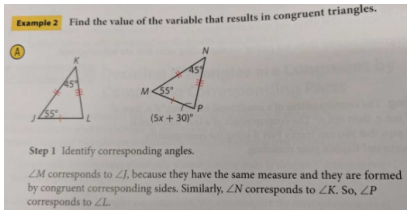
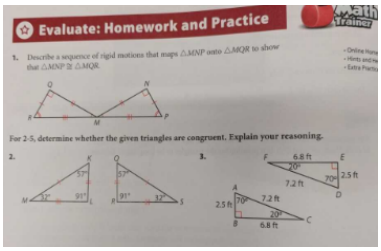
Aug 17-2:45 PM



Aug 17-1:58 PM



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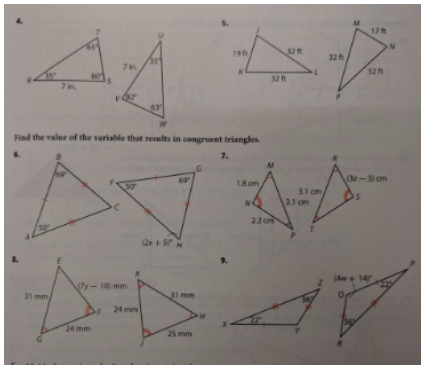
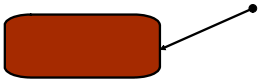


Aug 17-1:59 PM

Geogebra, interior triangle sum

Be ready to share what you noticed....

Try these!



Aug 17-2:02 PM

The Isosceles Triangle!

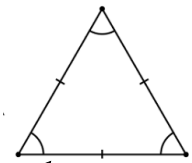
p 283, define
isosceles triangle
legs
vertex angle
base
base angle

Be ready to label your vocabulary on this isosceles triangle!

Aug 17-2:04 PM

The equilateral triangle

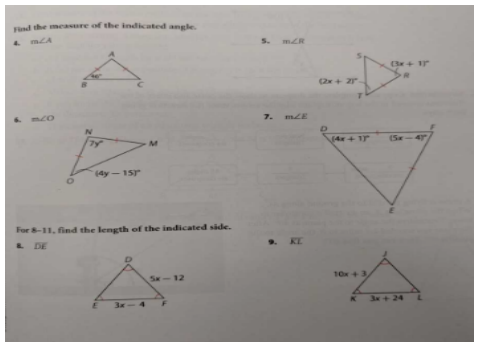
p 286 copy in your notebooks:
Equilateral Triangle Theorem
&
Converse of the Equilateral Triangle Theorem



Be ready to explain the markings on this triangle!

Aug 17-2:07 PM

p289 - let's practice



Aug 17-2:09 PM

Triangle Congruence..

What does congruence mean?

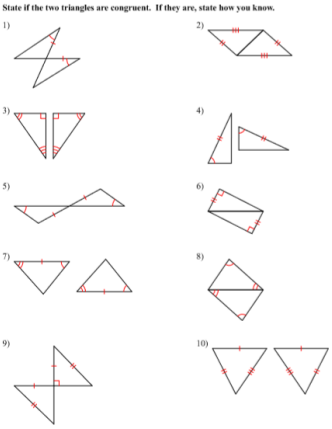
The Rules

p 203 copy ASA Triangle Congruence Theorem
p 222 copy SSS Triangle Congruence Theorem
p 227 copy AAS Triangle Congruence Theorem
p 256 copy HL Triangle Congruence Theorem

The Practice

p 206 #3-7
p 227 #4-11
p 250 #1-6
p 258 #1-5

Aug 17-2:12 PM



Aug 17-2:33 PM