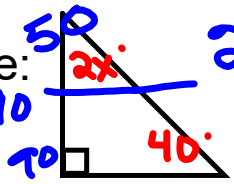
You need out your Warm Up & Agenda

Homework: Review for Test. TEST (starting) TOMORROW!

Warm Up:

1) Find the missing angle:



$2x + 40 + 90 = 180$

$2x + 130 = 180$

$-130 \quad -130$

$\frac{2x}{2} = \frac{50}{2}$

$x = 25$

$x + 45 = 90$

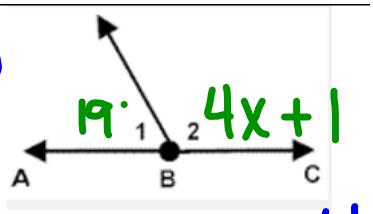
$-45 \quad -45$

$x = 90$

2) Is it possible to have a triangle with the following angles?

50°, 70°, 70° $= 190 \neq 180$

3) Find x:



$4x + 1 + 19 = 180$

$4x + 20 = 180$

$-20 \quad -20$

$4x = 160$

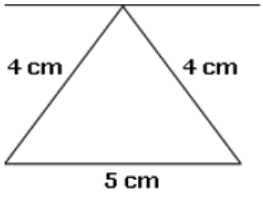
$\frac{4x}{4} = \frac{160}{4}$

$x = 40$

Part 1: Determine if a triangle can be created with the following:

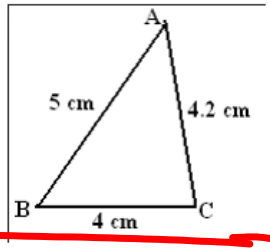
Side lengths: 17 cm, 76 cm, 59 cm 76 = 76 ✓ yes	Side lengths: 5 cm, 16 cm, 7 cm 12 < 16 NO X
Angles: 70°, 80°, 30° 70 + 80 + 30 = 180 ✓ yes	Angles: 60°, 140°, 20° 60 + 140 + 20 220 NO X

Part 2: Classify the triangles:



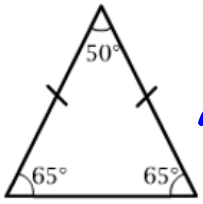
I

By Side Length:



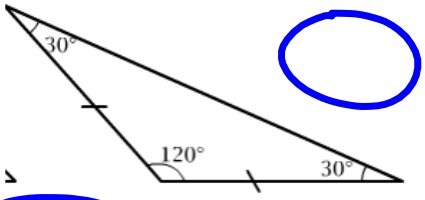
S

By Side Length:



A

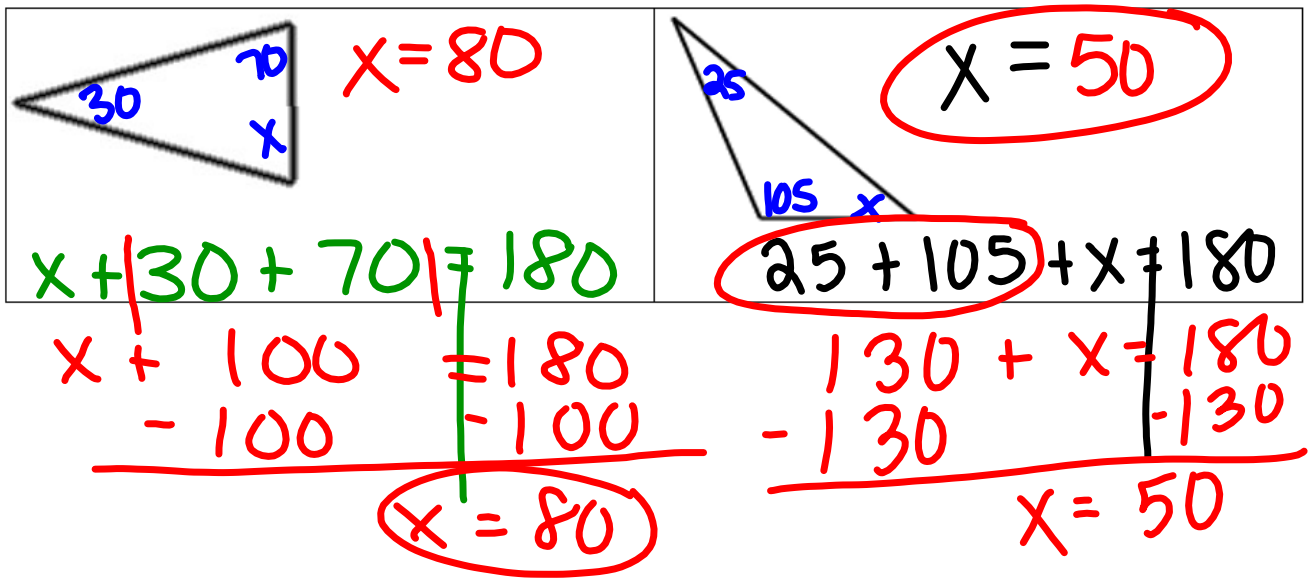
By Angles:



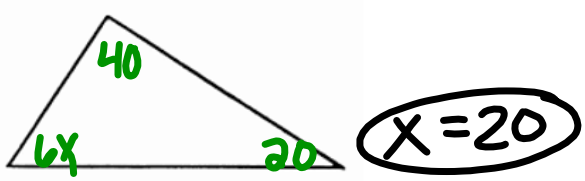
O

By Angles:

Part 3: Find the measure of the missing angle:



Part 4: Find the value of x:



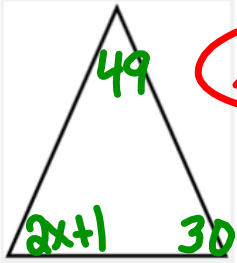
$x = 20$

$6x + 40 + 20 = 180$

$6x + 60 = 180$

$-60 \quad -60$

$\frac{6x}{6} = \frac{120}{6}$



$x = 50$

$2x + 1 + 30 + 49 = 180$

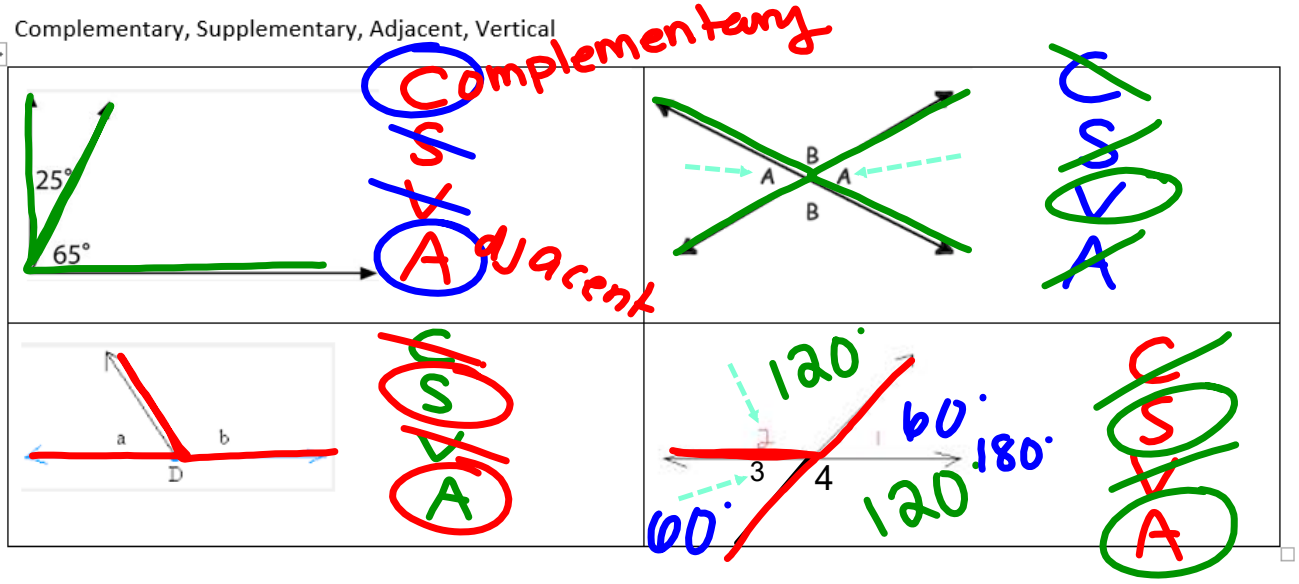
$2x + 80 = 180$

$-80 \quad -80$

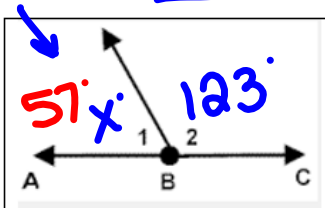
$\frac{2x}{2} = \frac{100}{2}$

$x = 50$

Complementary, Supplementary, Adjacent, Vertical



Part 6: Find the missing measure:

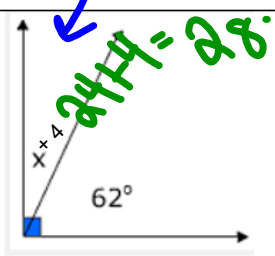


$x = 57$

$x + 123 = 180$

$-123 \quad -123$

$x = 57$



$x + 4 = 28$

$x = 24$

$x + 4 + 62 = 90$

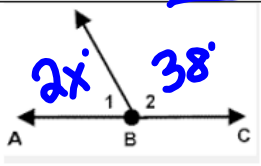
$x + 66 = 90$

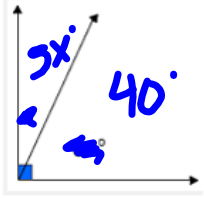
$-66 \quad -66$

$x = 24$

Sit Silently
for the news
please

Part 7: Find the value of x:

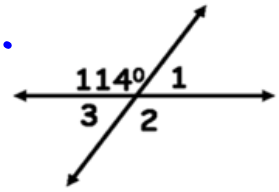




$\frac{\alpha^{\wedge}}{2}$ $1\frac{\cdot}{2}$ ^ ··

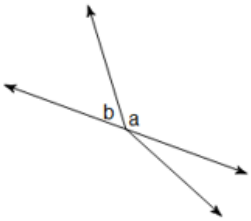
X=10

Review for Test- Homework



1. Name an angle adjacent to <2
2. Find m<2
3. <3 and <1 are what kind of angles?

4. 12)



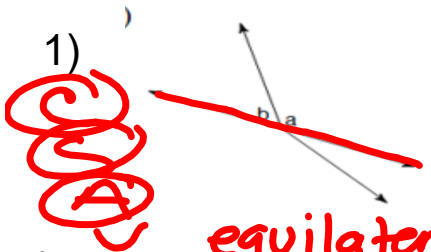
What kind of angles are <a and <b?

You need out your MSG & Last Night's HW

Homework: None

Opening:

1)



What kind of angles are <a and <b?

∠a obtuse

∠a and ∠b adj

supplem = 180

equilateral

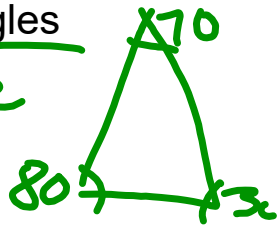
2) Name the three ways you can classify a triangle based on side lengths

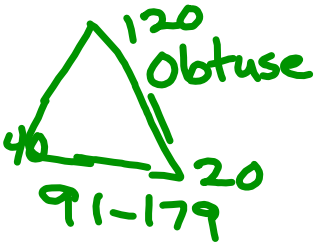
yes, scalene

isoceles

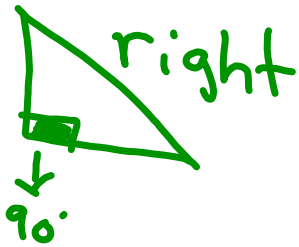
3) Name the 3 ways you can classify a triangle based on angles

acute

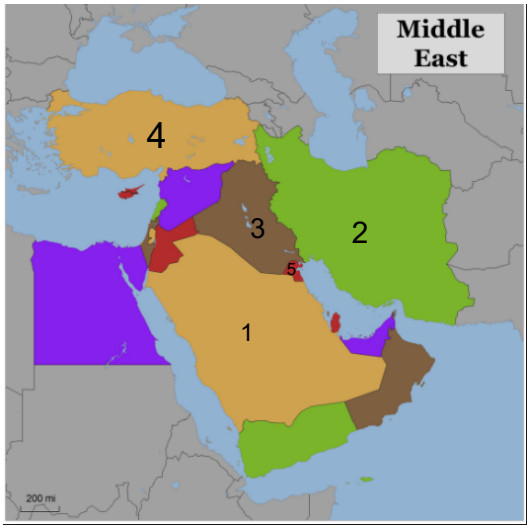




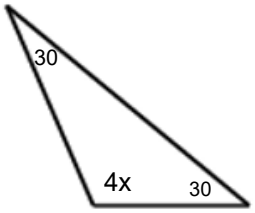
Obtuse



right


Middle East
4
3
2
5
1
200 mi

5) Find the missing angle:



Sit silently for the news