11-19-13
1st Geo

Ch. 4 PT 2

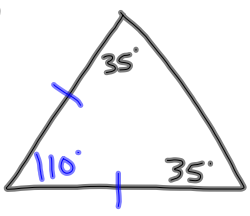
(19) Give eq. of line in SIF that goes through $(1,5)$ (x_1, y_1) and has a slope of -2.

$$y - y_1 = m(x - x_1)$$
$$y - 5 = -2(x - 1)$$
$$y - 5 = -2x + 2$$
$$+5 \qquad +5$$
$$y = -2x + 7$$

(20) Find the eq. of the line in SIF that goes through $(4,3)$ and $(3,6)$.

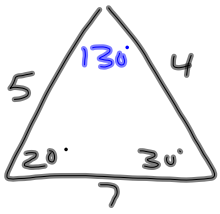
$$\text{slope} = \frac{\Delta y}{\Delta x} = \frac{6-3}{3-4} = \frac{3}{-1} = -3$$
$$y - y_1 = m(x - x_1)$$
$$y - 3 = -3(x - 4)$$
$$y - 3 = -3x + 12$$
$$+3 \qquad +3$$
$$y = -3x + 15$$

(3)



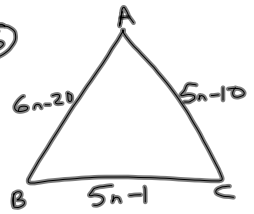
obtuse Isosceles

(4)



obtuse Scalene

⑥



$\overline{AB} \cong \overline{AC}$

What is AB?

$AB = AC$

$6n - 20 = 5n - 10$

$-5n \quad -5n$

$n - 20 = -10$

$+20 \quad +20$

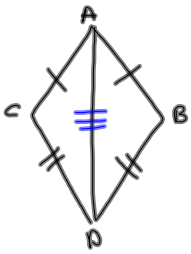
$n = 10$

$AB = 6n - 20$

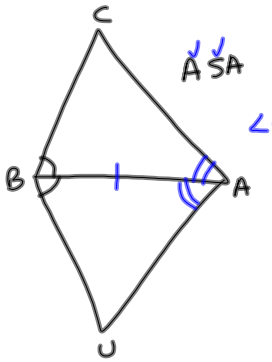
$6 \cdot 10 - 20$

-40

⑬



SSS



A S A

$\angle CAB = \angle UAB$

Worksheet in class

⑫ $\angle F = \angle T$

⑬ $MK = EC$

⑭ $YW = BD$

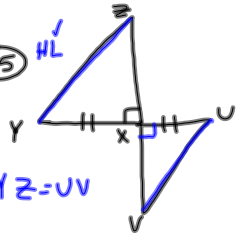
⑮ $YZ = UV$

⑯ $\angle W = \angle L$

⑰ $KL = JG$

⑱ $DC = UV$

⑮ HL



$YZ = UV$

If $\triangle ABC \cong \triangle NTX$,

then

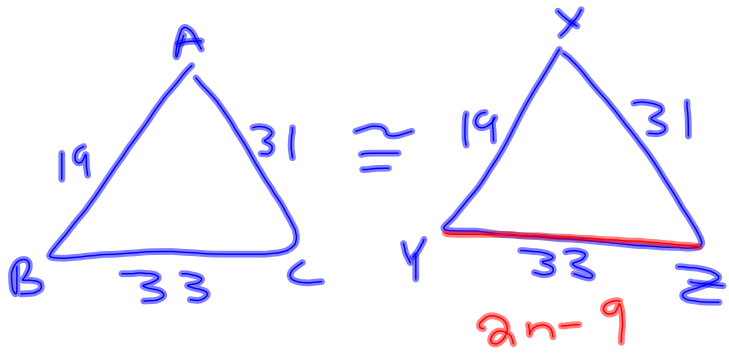
(A) $\angle B = \angle T$

(B) $AB = NT$

(C) $TX = BC$

(D) $NX = AC$

If $\triangle ABC \cong \triangle XYZ$ with $AB = 19$, $BC = 33$, and $AC = 31$, what is value of n if $YZ = 2n - 9$?



$$2n - 9 = 33$$
$$+9 \quad +9$$
$$2n = 42$$
$$n = 21$$