Name:	neu		 Hour

Parallels Cut by a Transversal In Class Examples:

Directions: Find the value of the variable and justify your set up.

You must use only the following relationships:

Corresponding angles are congruent

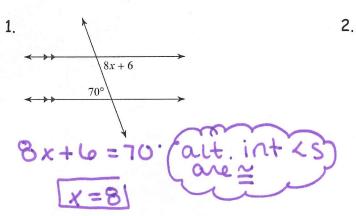
Alternate interior angles are congruent

Alternate exterior angles are congruent

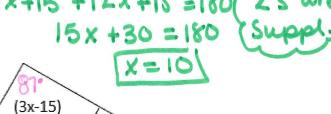
Consecutive interior angles are supplementary

Linear pairs are supplementary

Vertical angles are congruent



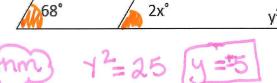
3x + 1512x + 15



3. Find the value of x and y







4) Find the measure of x and y:

Findy

When you place Isin a diff location You must indicate the move in your picture.

(2x + 13) * * Ask yourself "What can I find 1st?" Notice nere it is t Y value bic there are 2 ys!

2nd 23) = 2x+13 (corr. Ls are

Find x and y in each figure.

5. $(25y - 20)^{\circ}$

 $(3y + 1)^{\circ}$

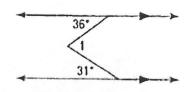
(3x + 11)

 $(4x - 5)^{\circ}$

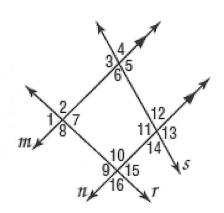
8y+2+25y-20=180° con. int Ls ave

34+1+4(16)-5

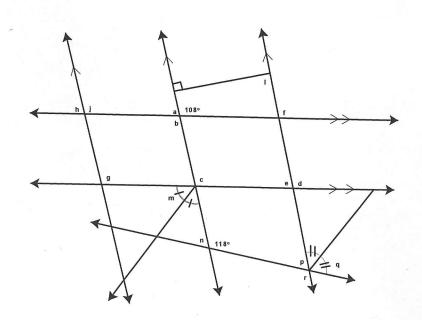
7. What is the $m \angle 1$?



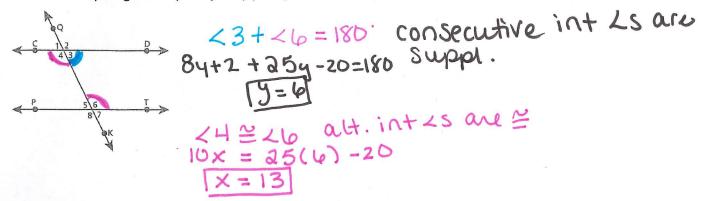
8. Find the measure of each angle if m<2=92 and m<12=74.



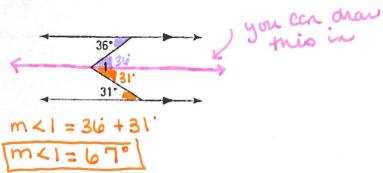
8. Find the measure of each angle.



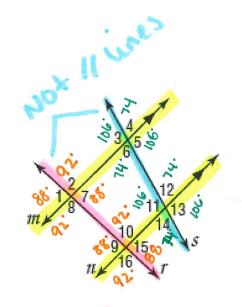
6. If CD || PT, $m < 3 = (8y + 2)^{\circ}$, $m < 6 = (25y - 20)^{\circ}$ and $m < 4 = (10x)^{\circ}$, find x, y and m < 6. You will need to show your geometry and justify your geometric set up.



7. What is the $m \angle 1$?



8. Find the measure of each angle if m<2=92 and m<12=74.



8. Find the measure of each angle.

