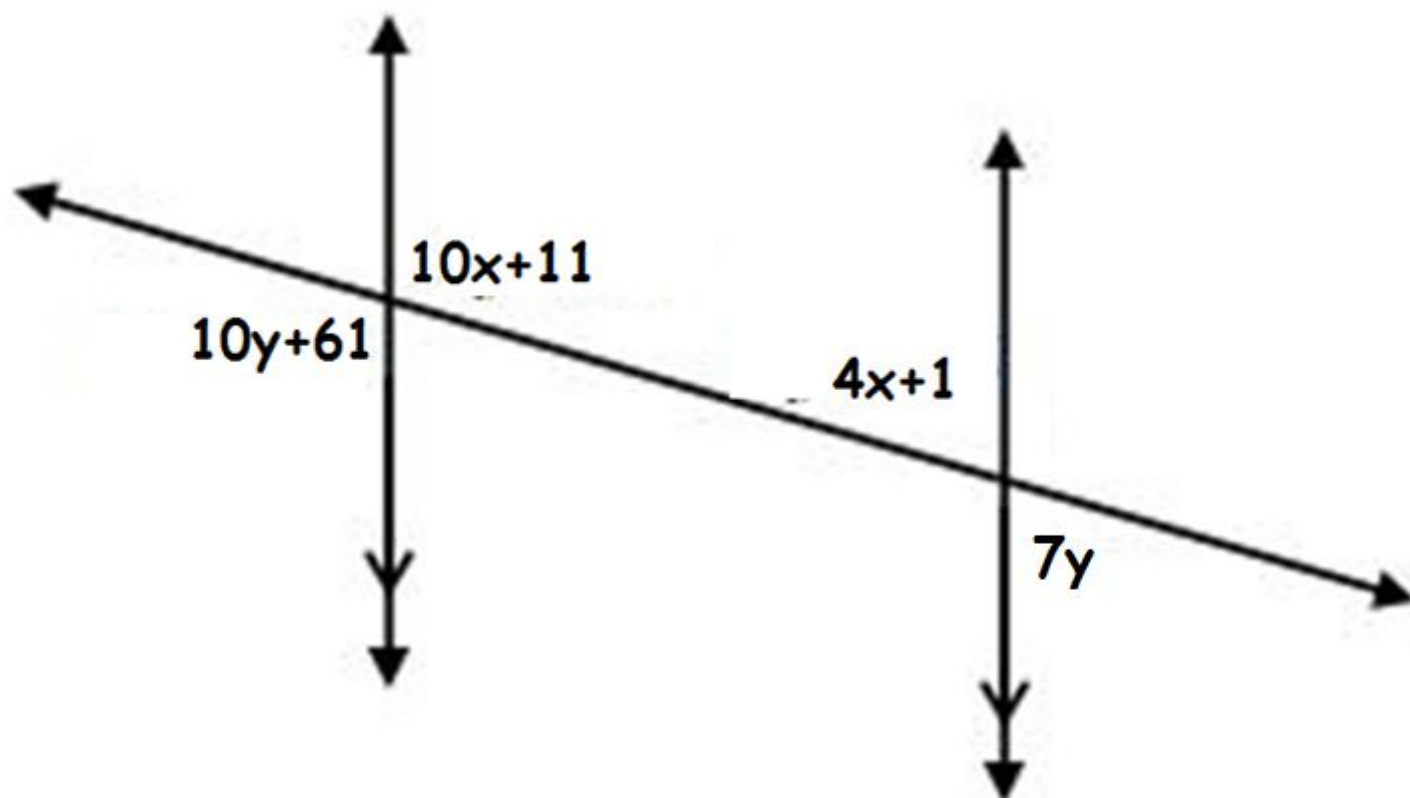
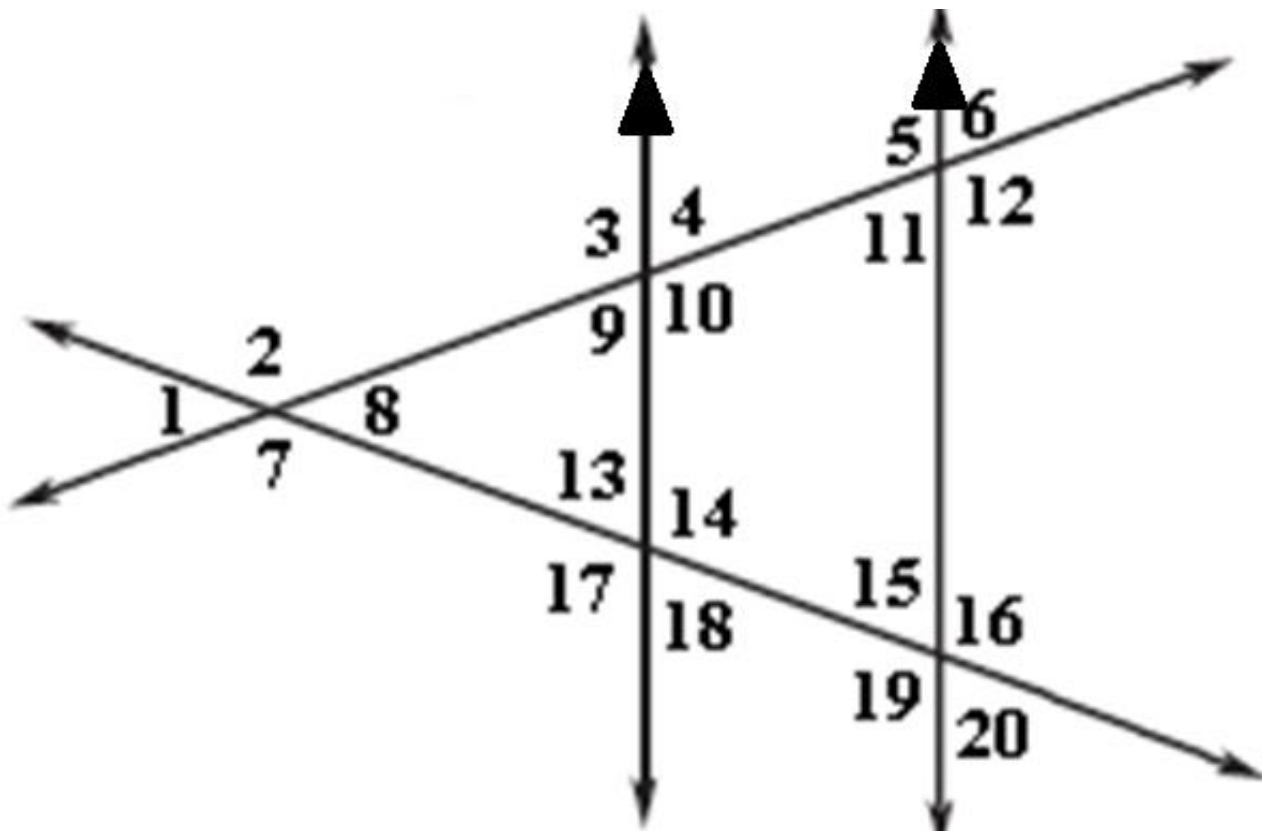


#1 Find X and Y:

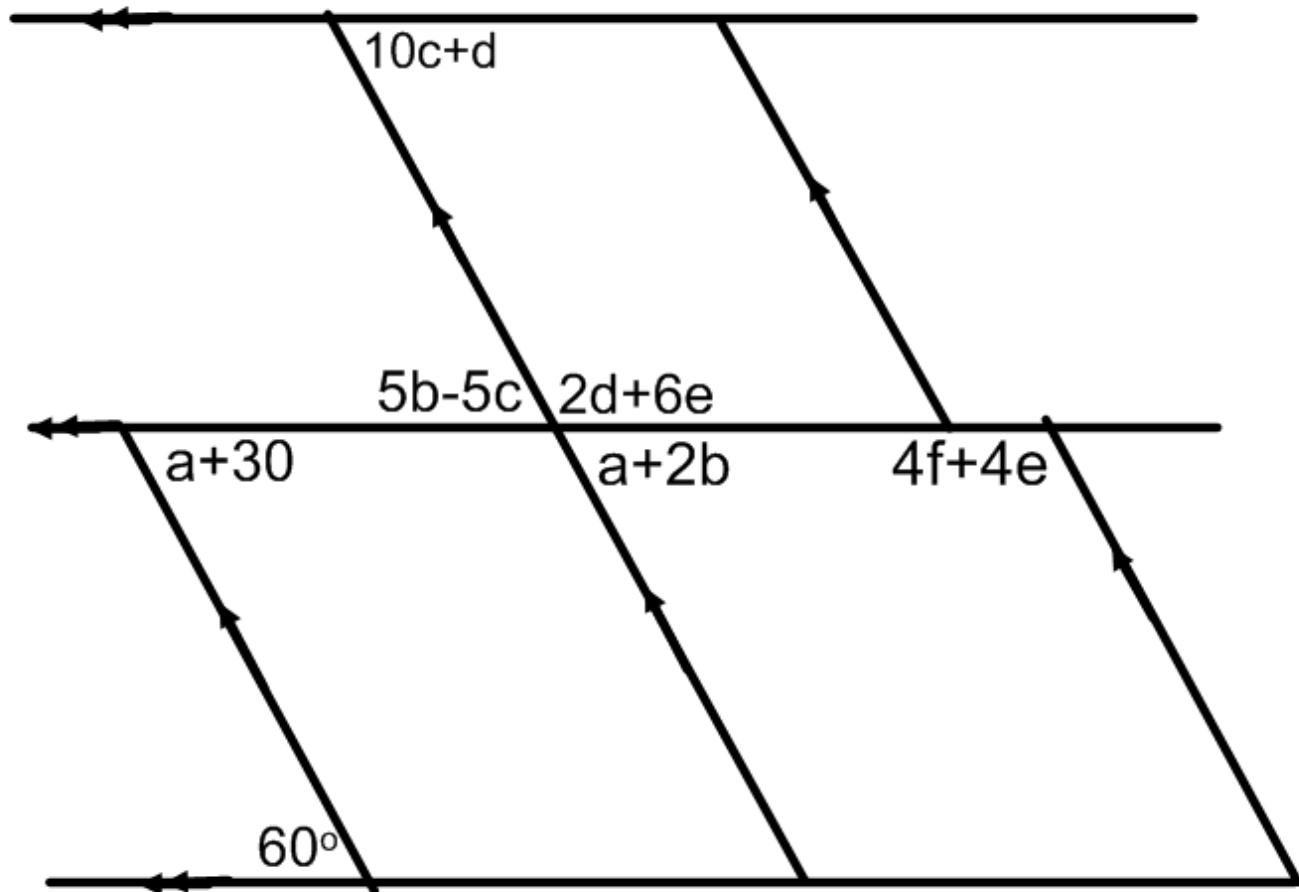


#2 Find all angle measures given...

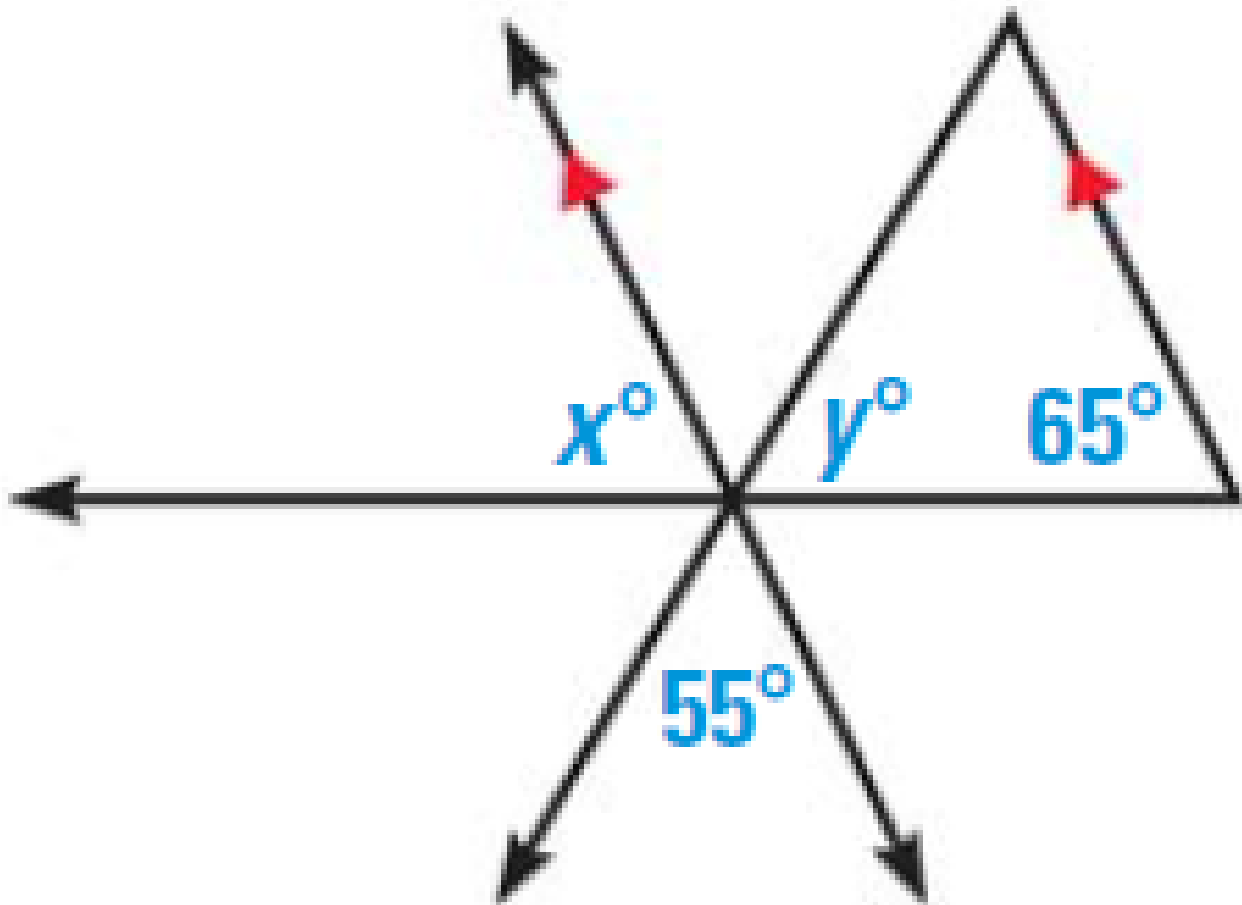
$\angle 4$ measures 71° and $\angle 8$ measures 37° .



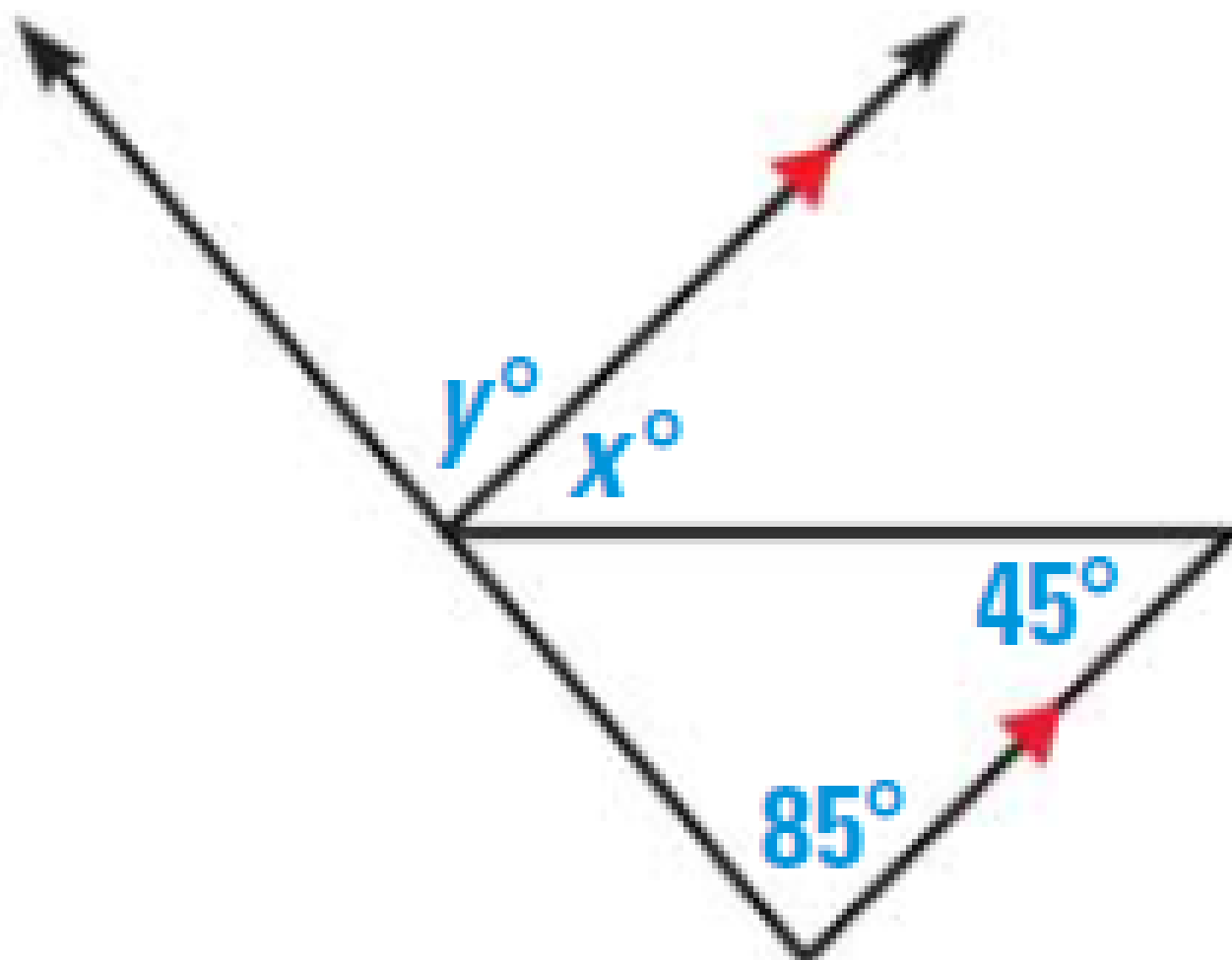
#3 Find a , b , c , d , e , f



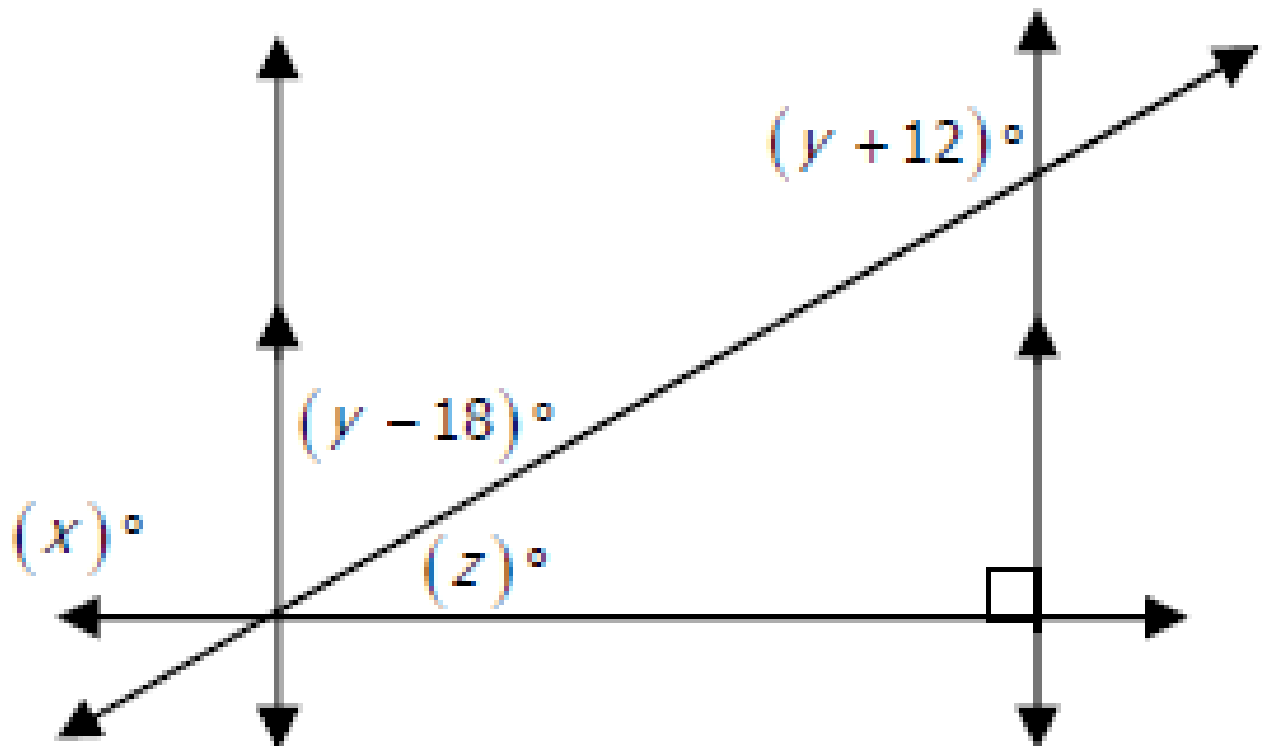
#4 Find X and Y:



#5 Find X and Y



#6 Find X, Y and Z



#7 $a, b, c, d, e, f,$ and g are lines.

$$a // b$$

$$b \perp c$$

$$c \perp d$$

$$d // e$$

$$e // f$$

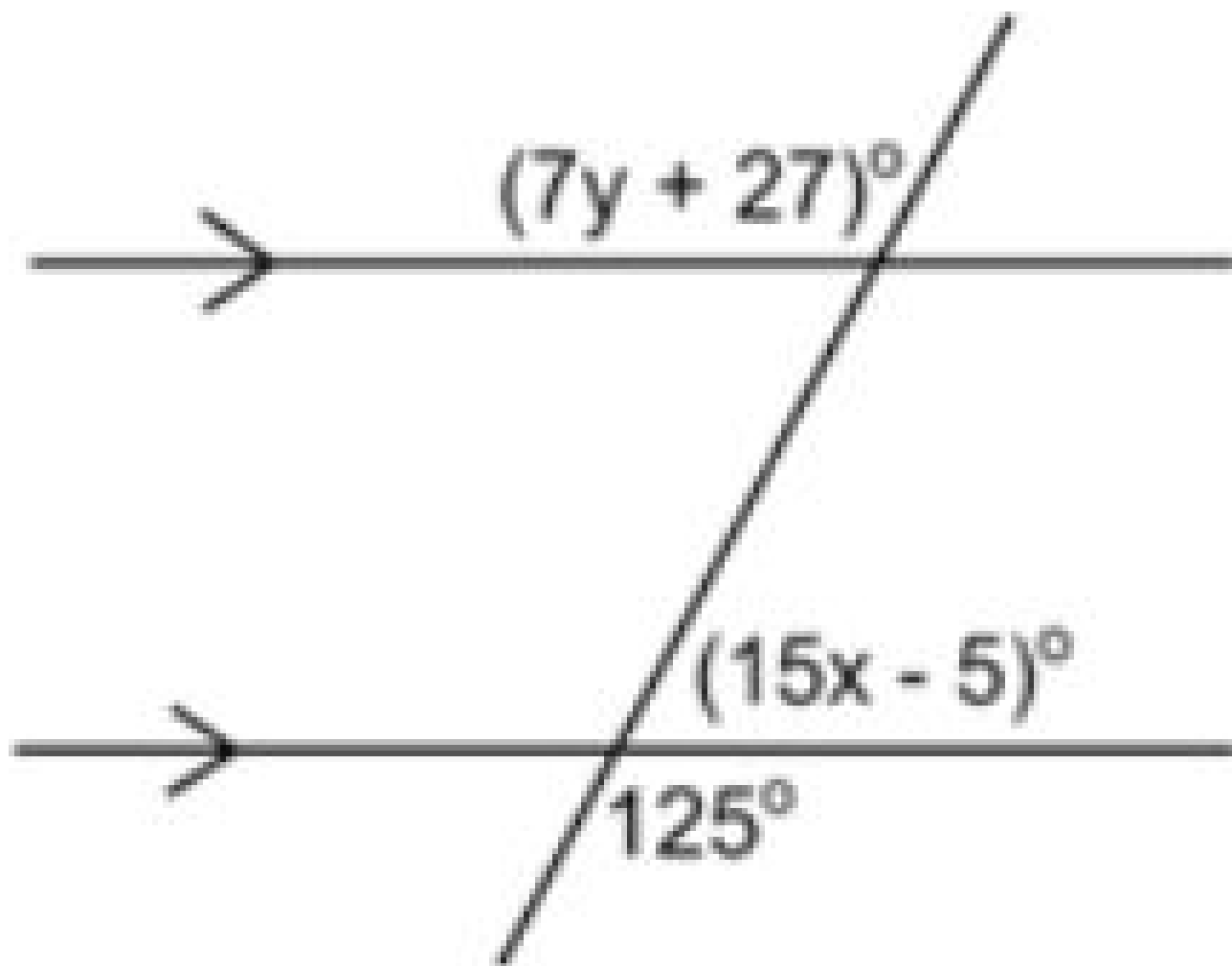
$$f \perp g$$

You will probably need to draw a picture to answer each of these questions....

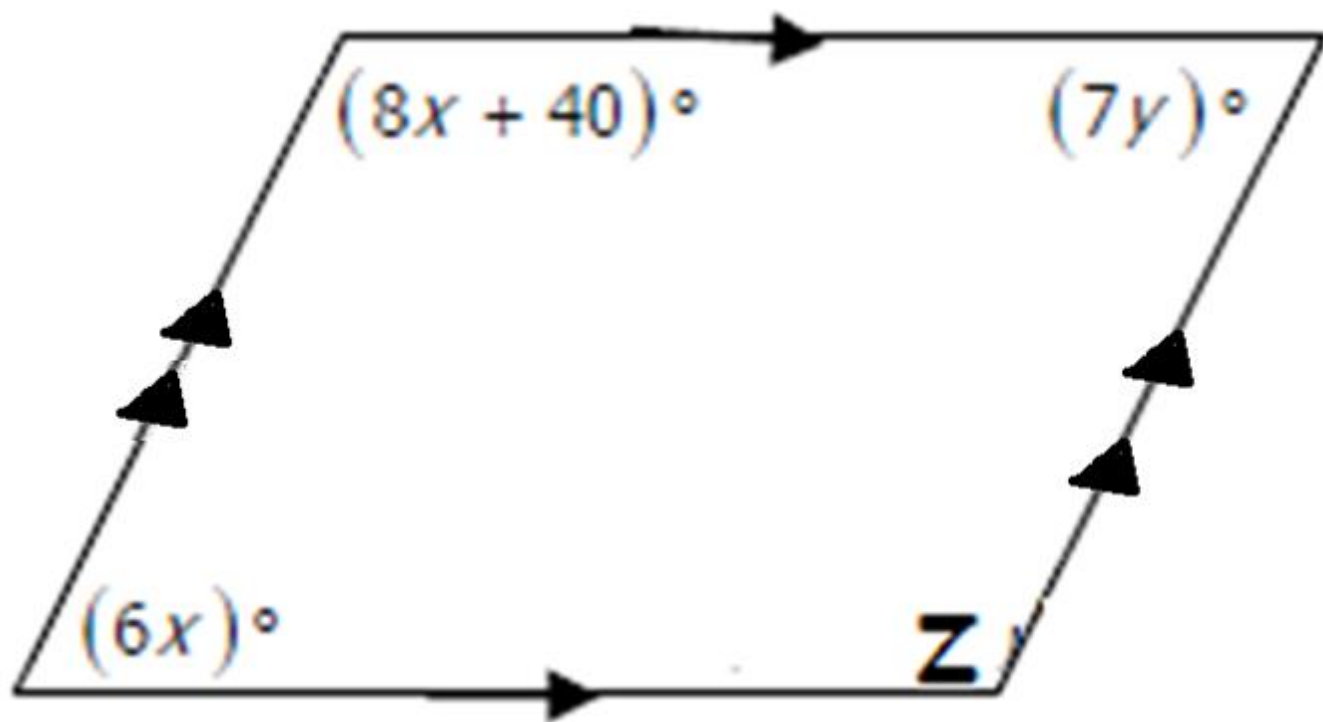
What is the relationship between.....

1. a and f ?
2. c and f ?
3. b and g ?
4. b and e ?
5. d and g ?

#8 Find X and Y



#9 Find X , Y and Z

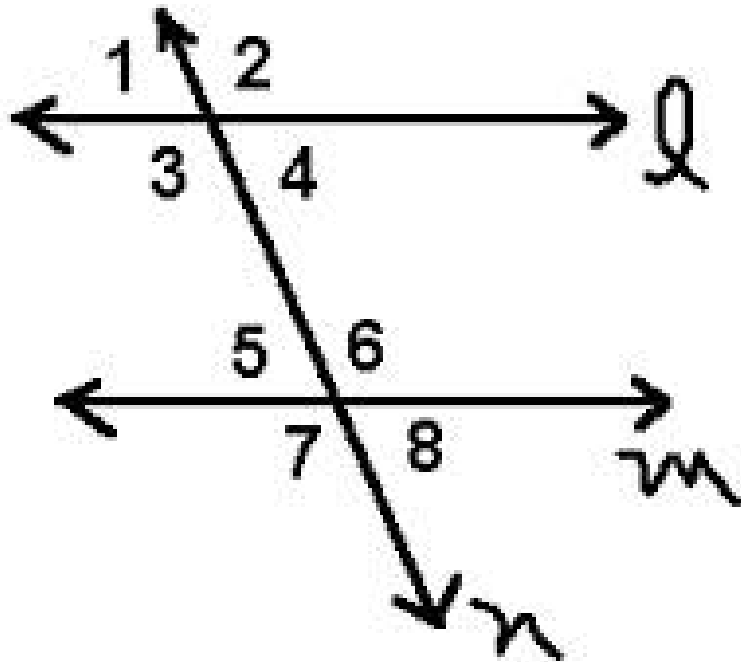


Round the value of y to the nearest *tenth*.

#10

Given: $m\angle 7 = 115$, $m\angle 4 = 65$

Prove: $L \parallel M$



STATEMENTS

REASONS

1. $m\angle 7 = 115$

1. _____

2. $m\angle 4 = 65$

2. _____

3. _____

3. Vertical angles

4. $65 + 117 = 180$

4. _____

5. $m\angle 4 + m\angle 6 = 180$

5. _____

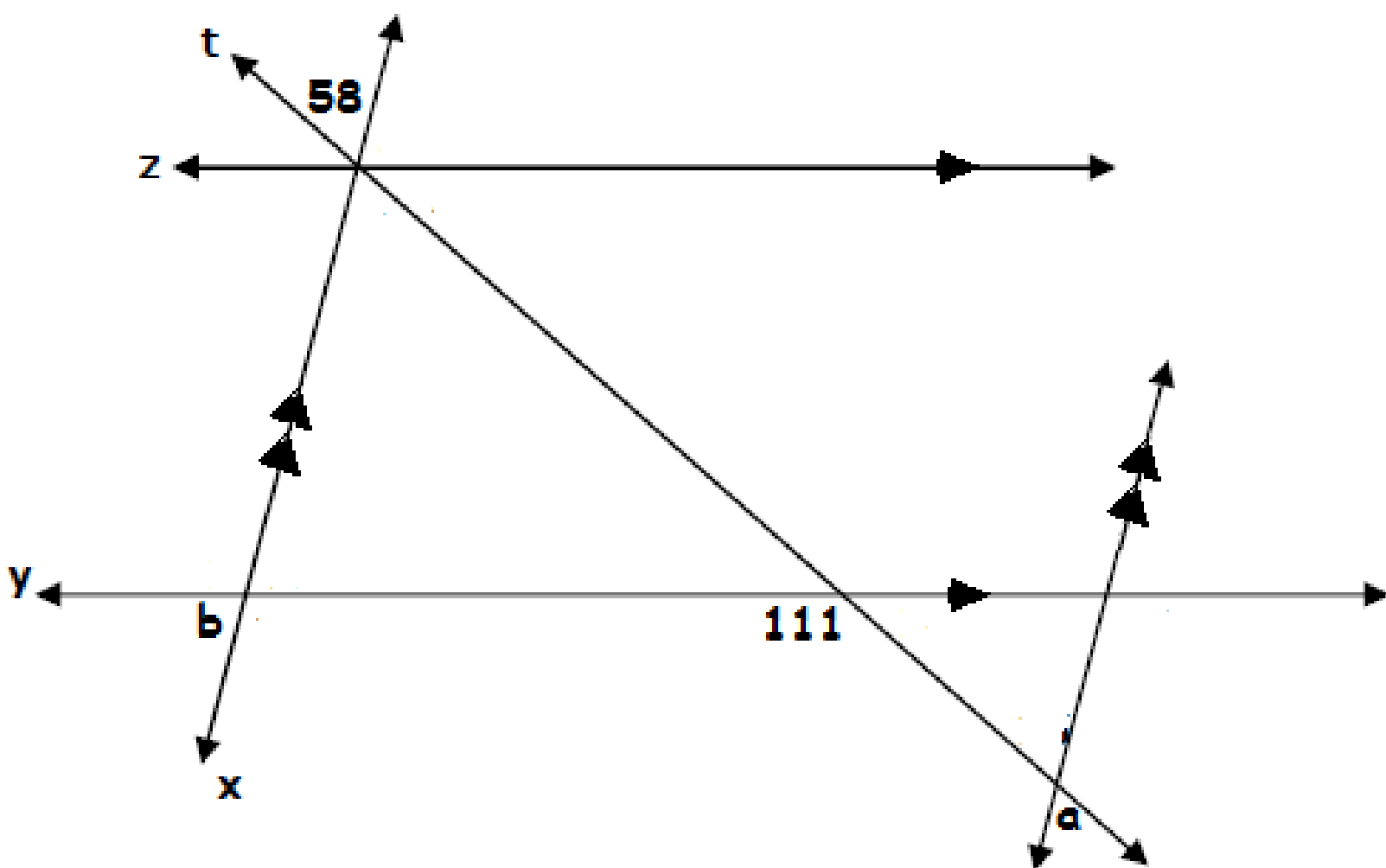
6. $\angle 4, \angle 6$ are supplements

6. Def Supplement

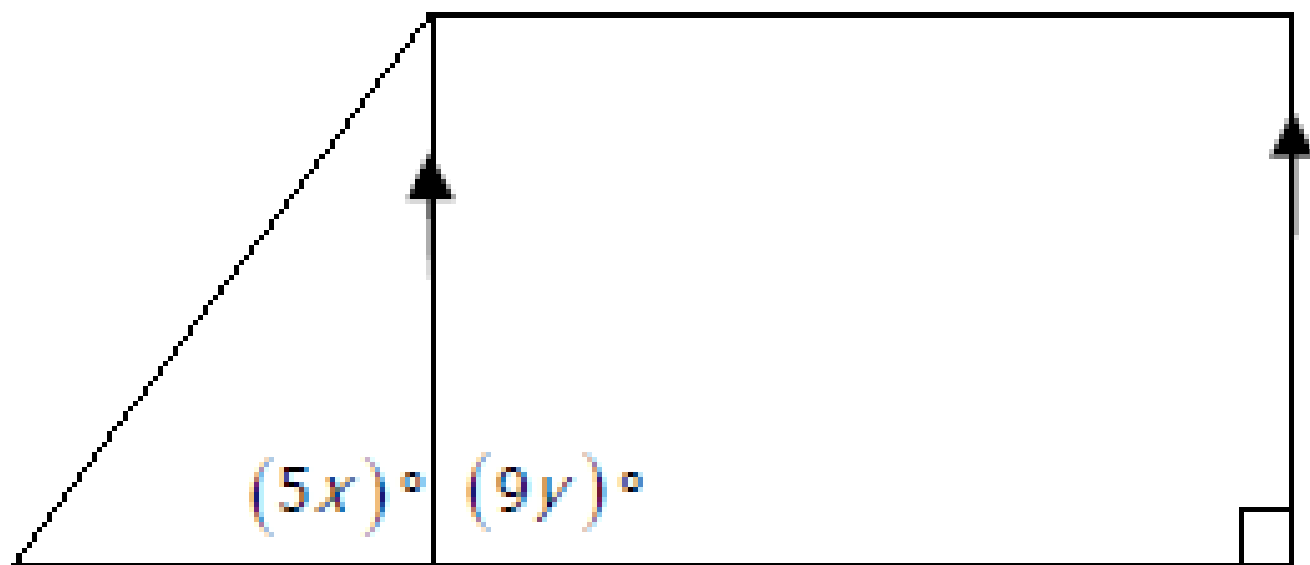
7. $L \parallel M$

7. _____

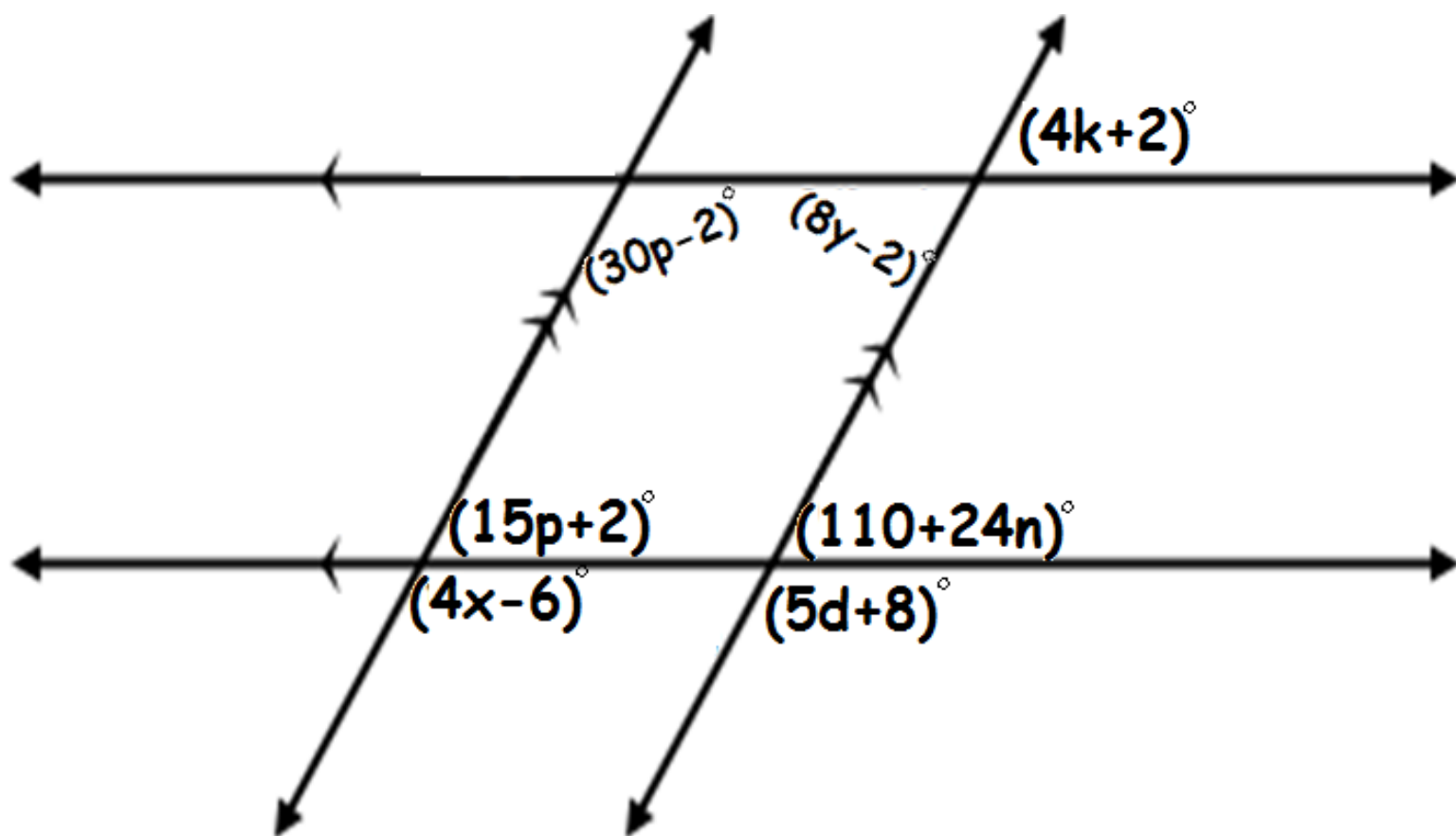
#11 Find a and b:



#12 Find X and Y .



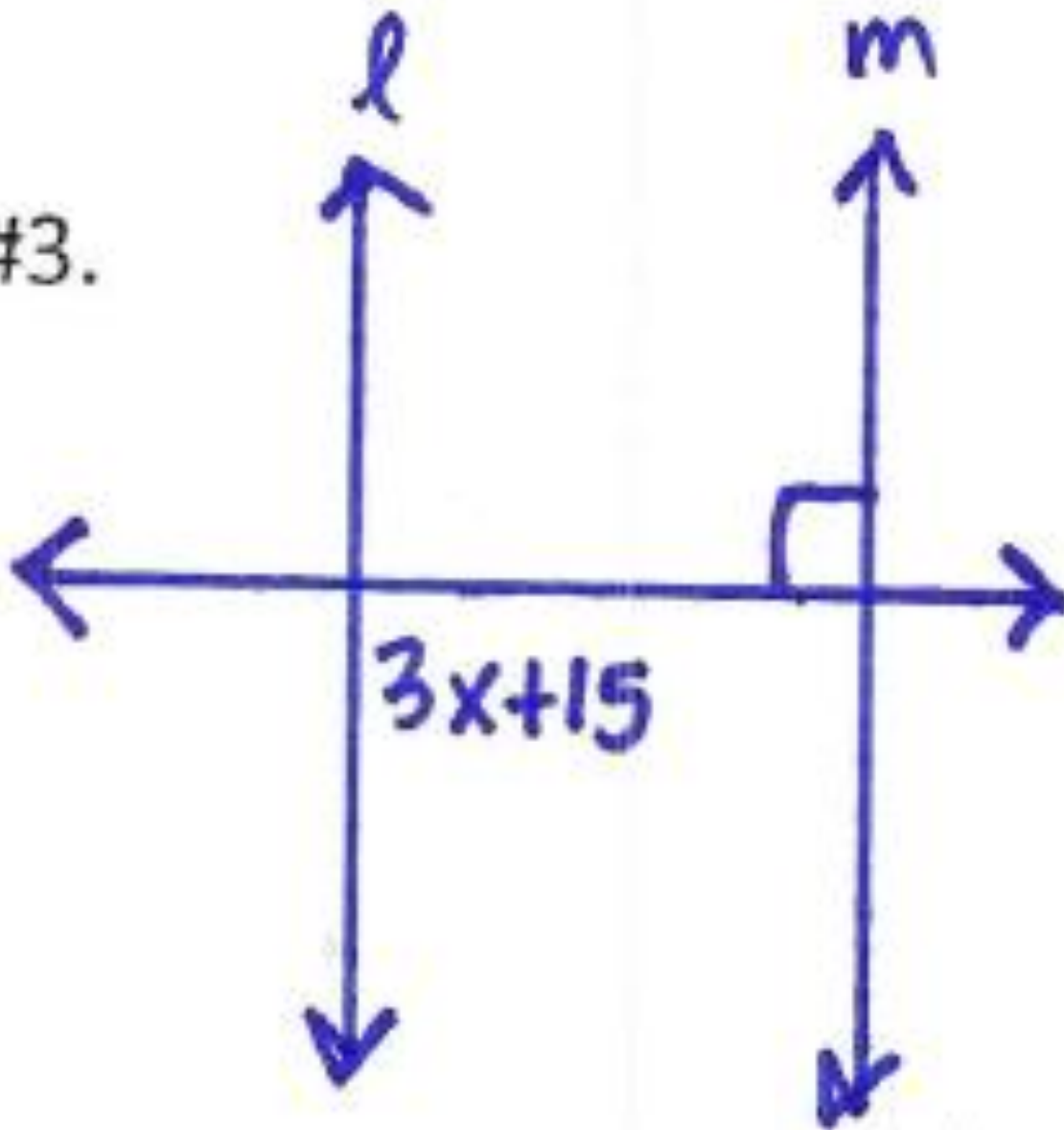
#13 Find x, y, p, n, k, d



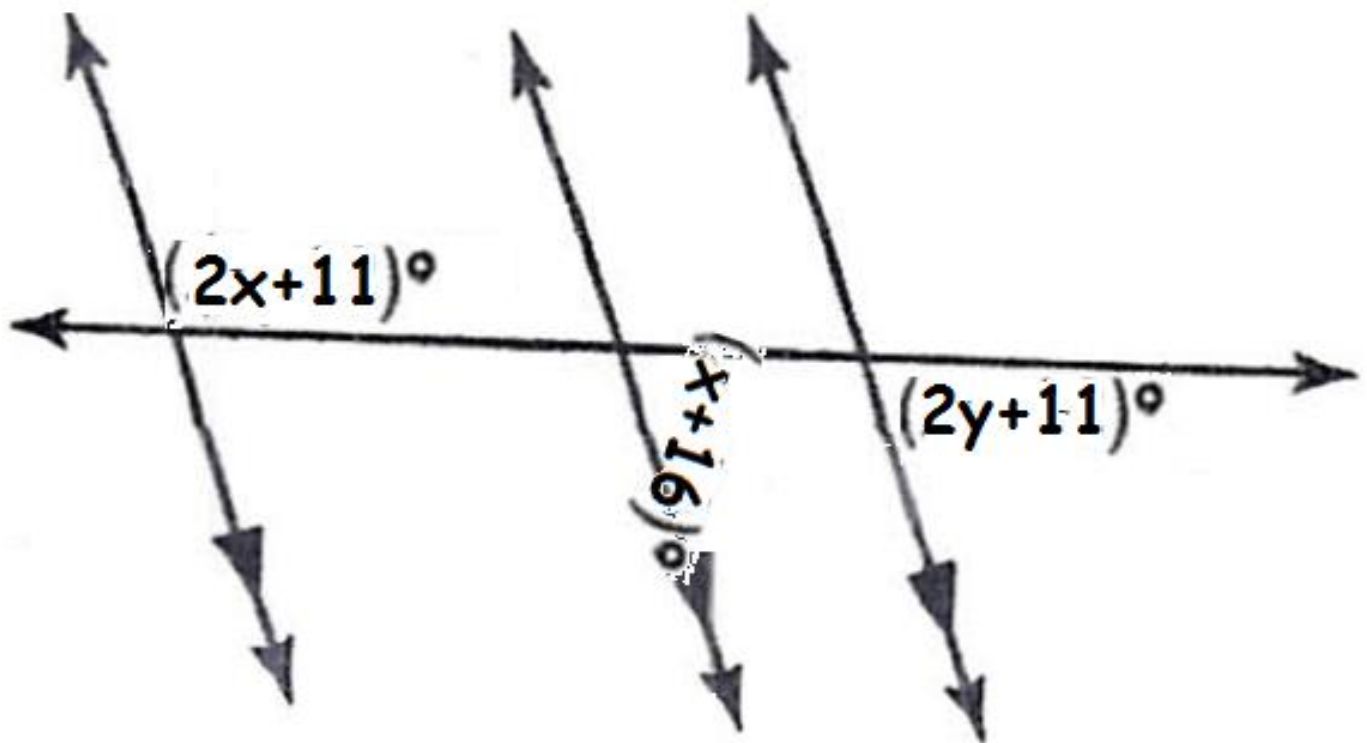
THIS ONE COUNTS FOR 2!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

#14 Find x if $L \parallel M$.

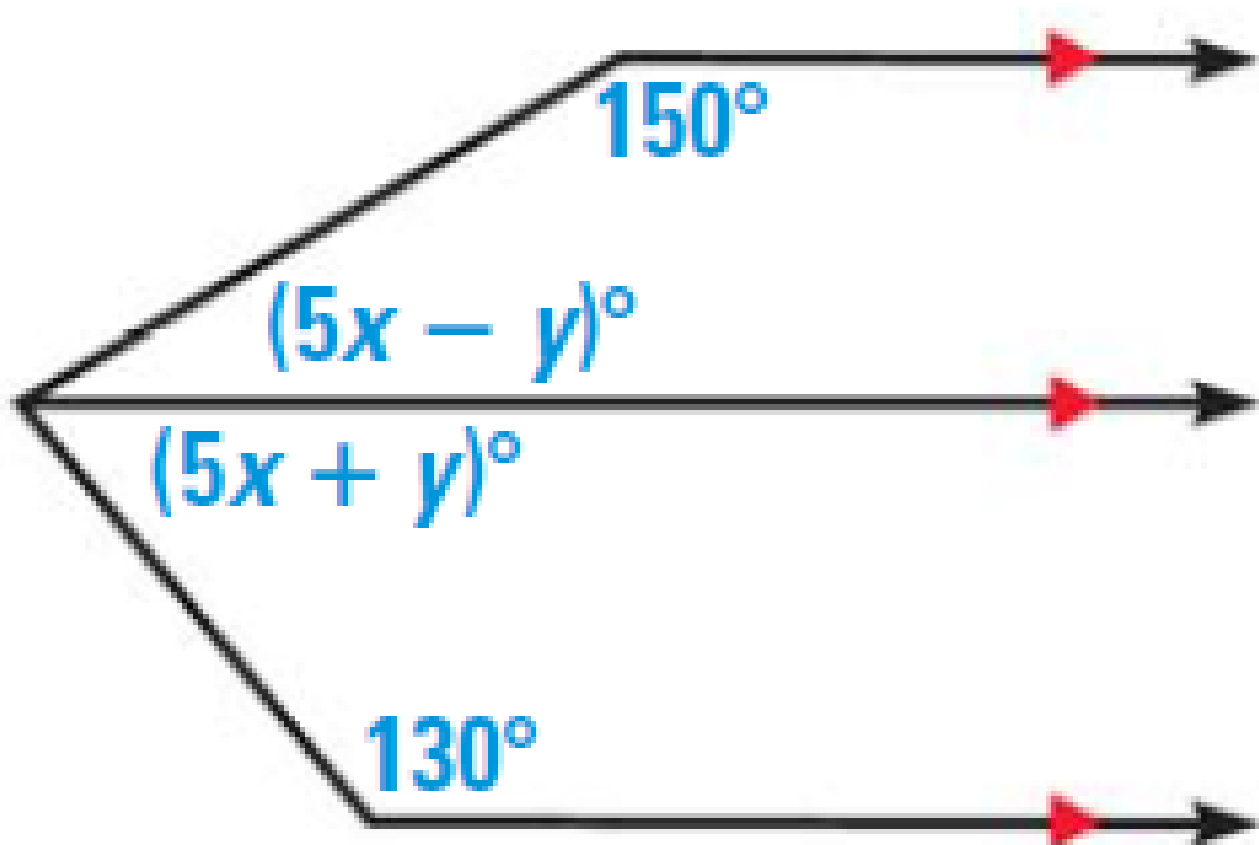
#3.



#15 Find X and Y

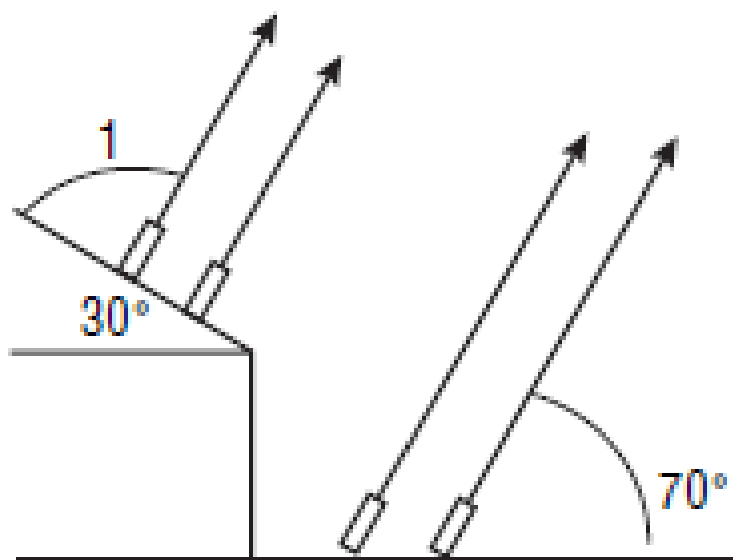


#16 Find x and y



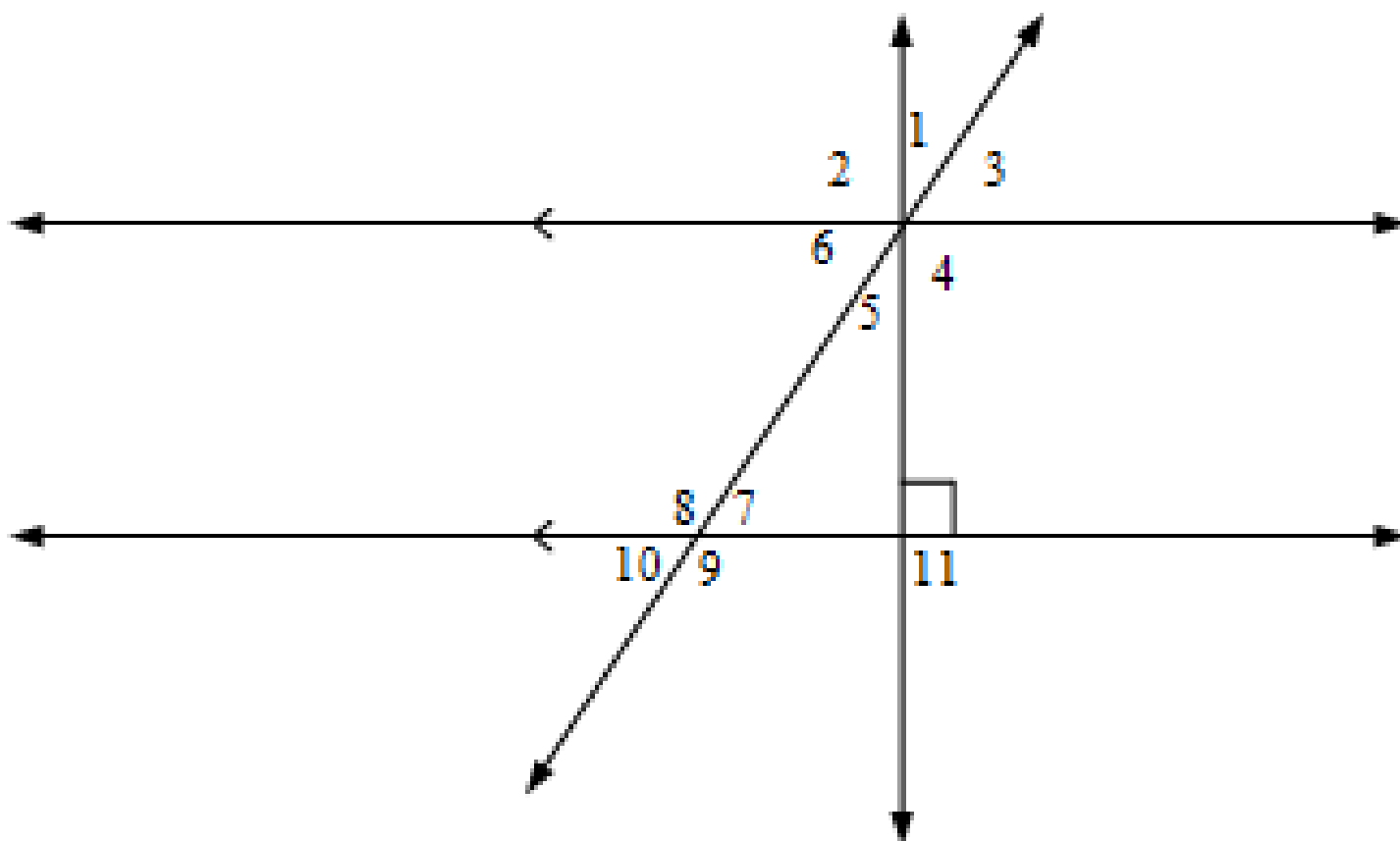
#17

FIREWORKS A fireworks display is being readied for a celebration. The designers want to have four fireworks shoot out along parallel trajectories. They decide to place two launchers on a dock and the other two on the roof of a building.



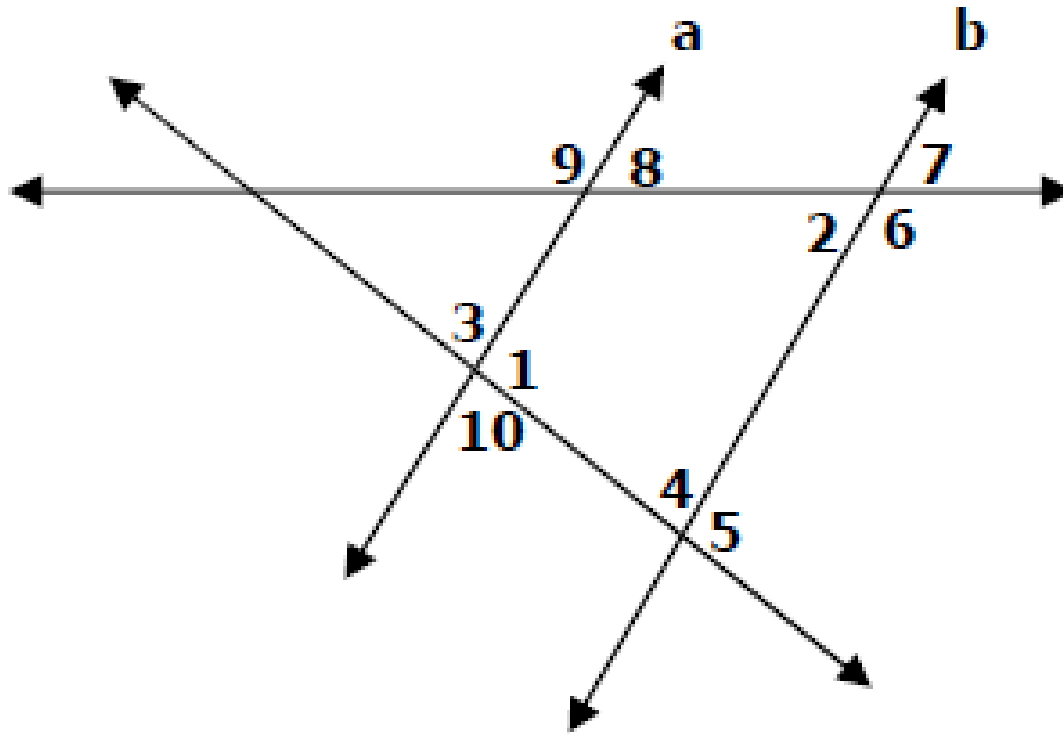
To pull off this display, what should the measure of angle 1 be?

#18 If the measure of angle 3 is 60° , then find the measure of angle 9.



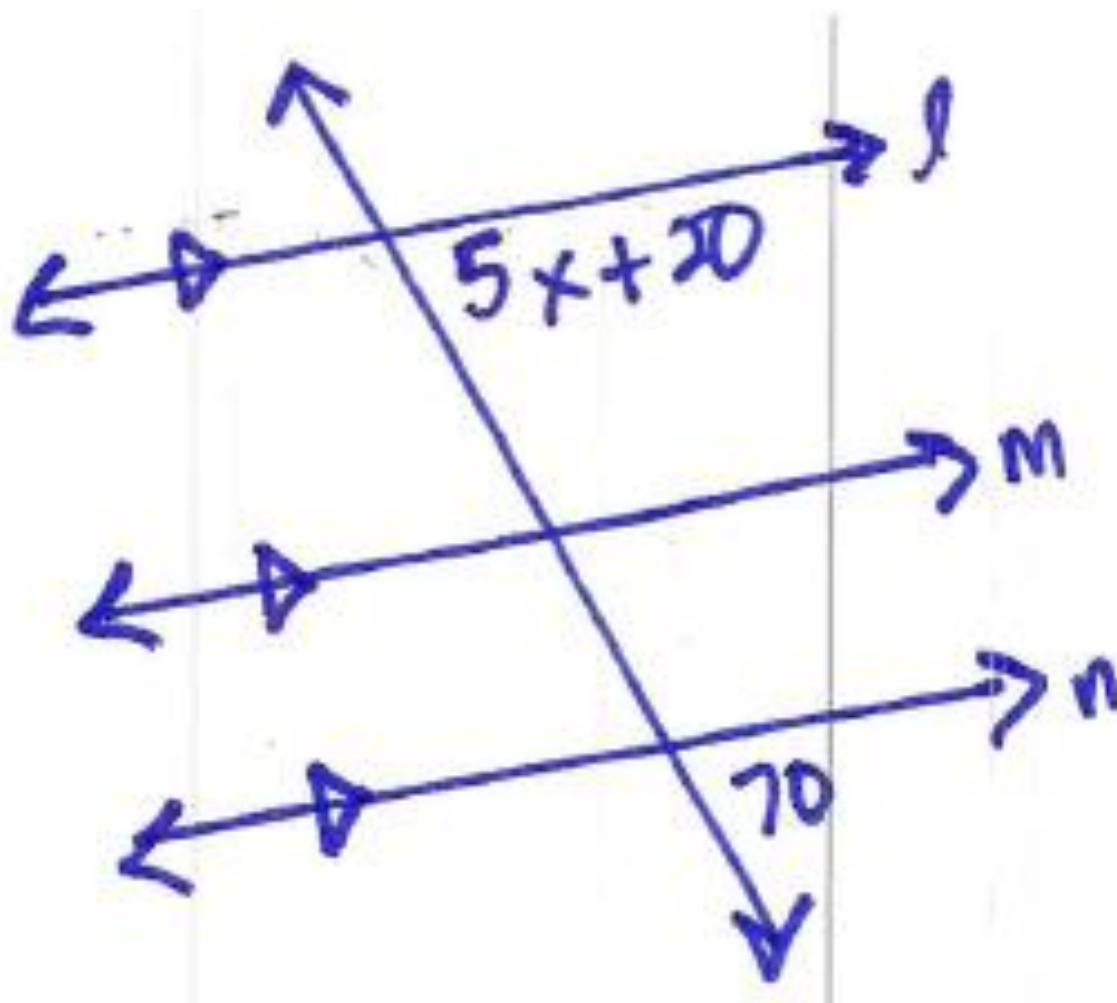
#19

In figure below $a \parallel b$, $m\angle 3 = 78^\circ$ and $m\angle 2 = 47^\circ$.
Find measure of each angle.



What are the measures of angles 5 and 9?

#20 Find X



#21 Find X and Y

