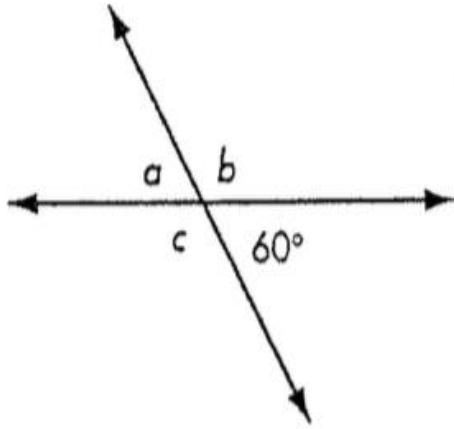
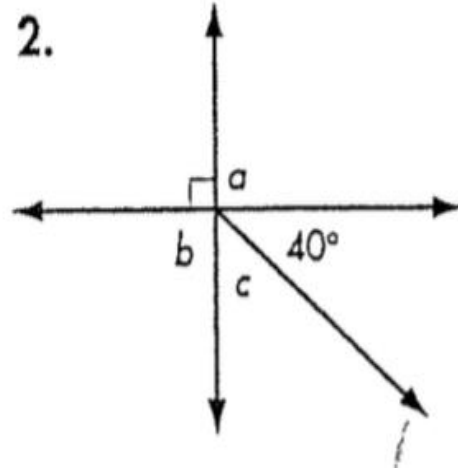


Find the angle measure for each letter.

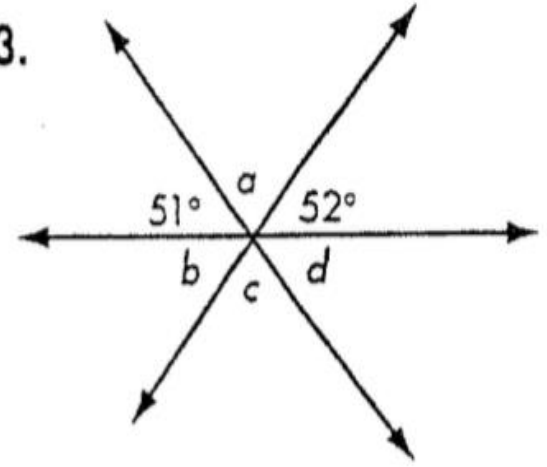
1.



2.

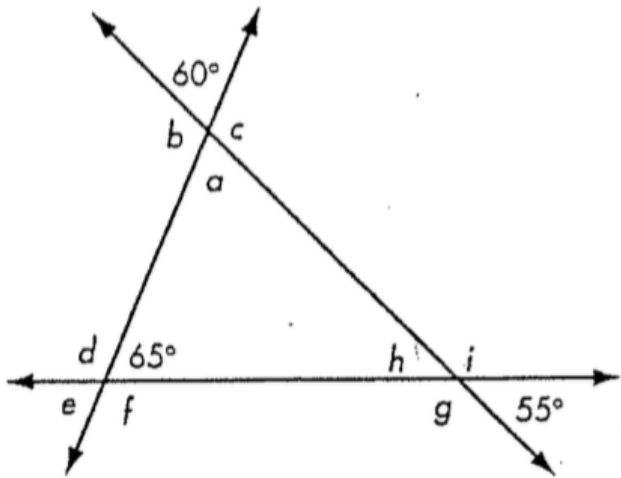


3.

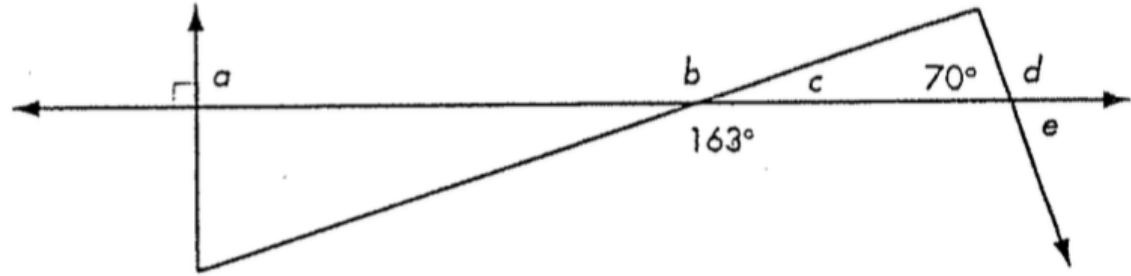


Find the angle measure for each letter.

4.\*

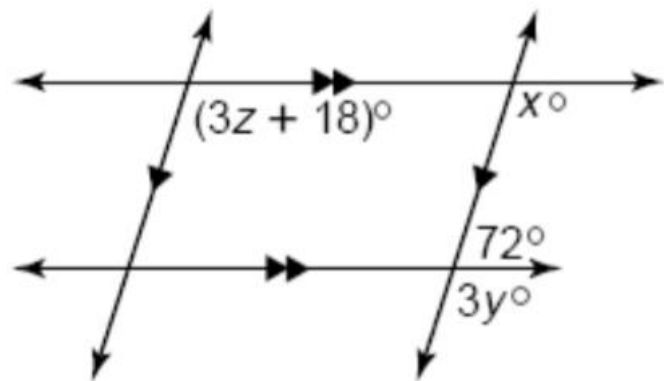


5.

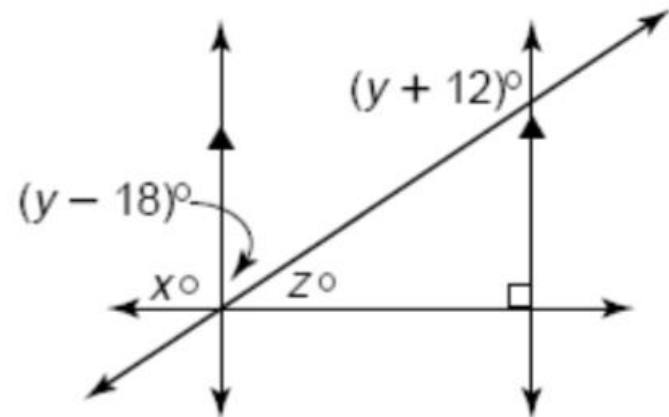


*Find the values of  $x$ ,  $y$  and  $z$  in each figure.*

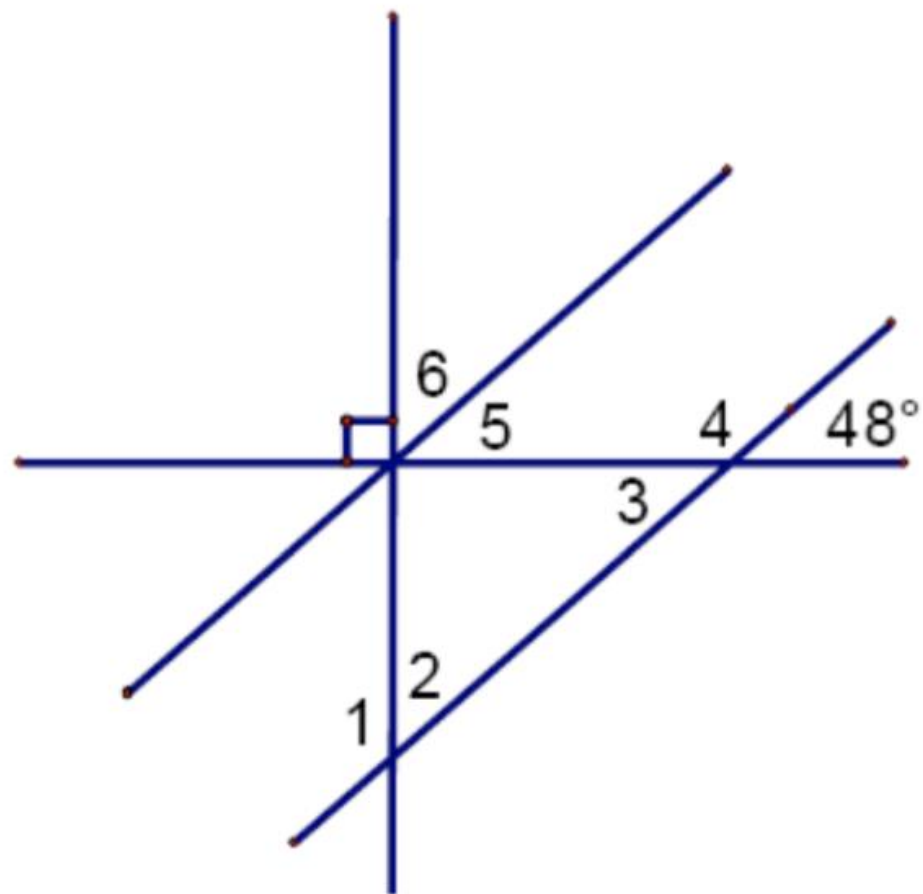
**11.**



**12.**

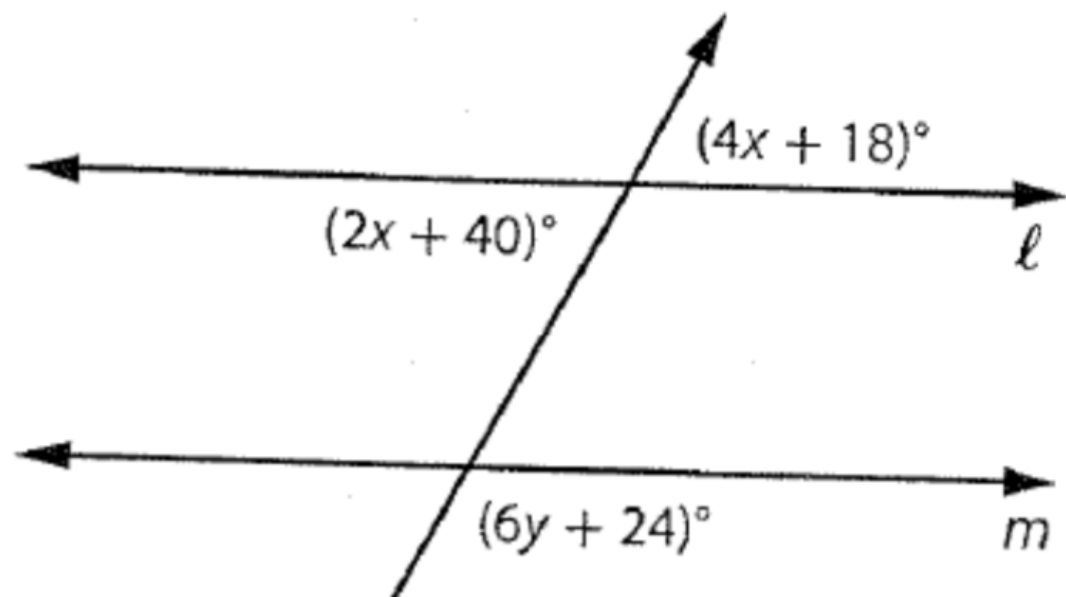


2. Given the information in the sketch that follows, find the measure of all angles.

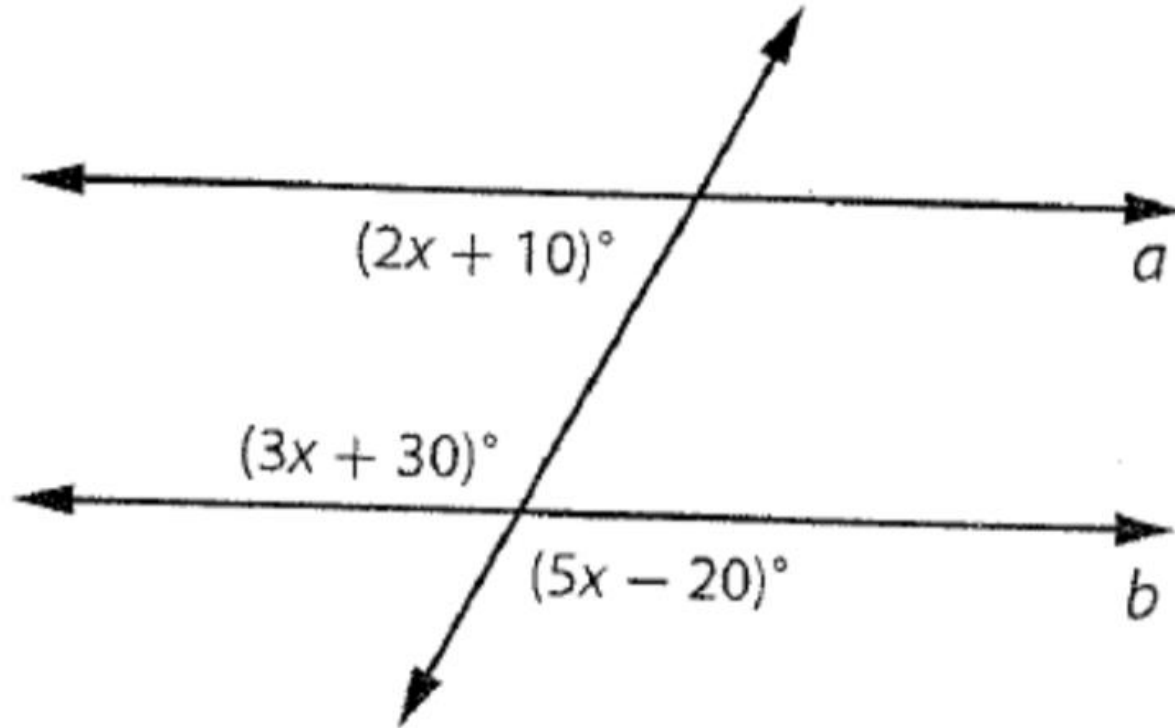


- 1.  $m\angle 1 =$  \_\_\_\_\_
- 2.  $m\angle 2 =$  \_\_\_\_\_
- 3.  $m\angle 3 =$  \_\_\_\_\_
- 4.  $m\angle 4 =$  \_\_\_\_\_
- 5.  $m\angle 5 =$  \_\_\_\_\_
- 6.  $m\angle 6 =$  \_\_\_\_\_

6. If lines  $l$  and  $m$  are parallel, find the values of  $x$  and  $y$  in the diagram to the right.

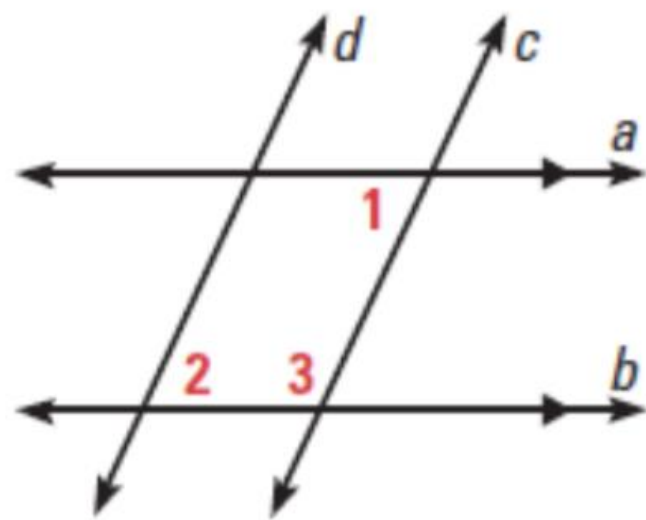


b. Are lines  $a$  and  $b$  parallel? Explain your reasoning.



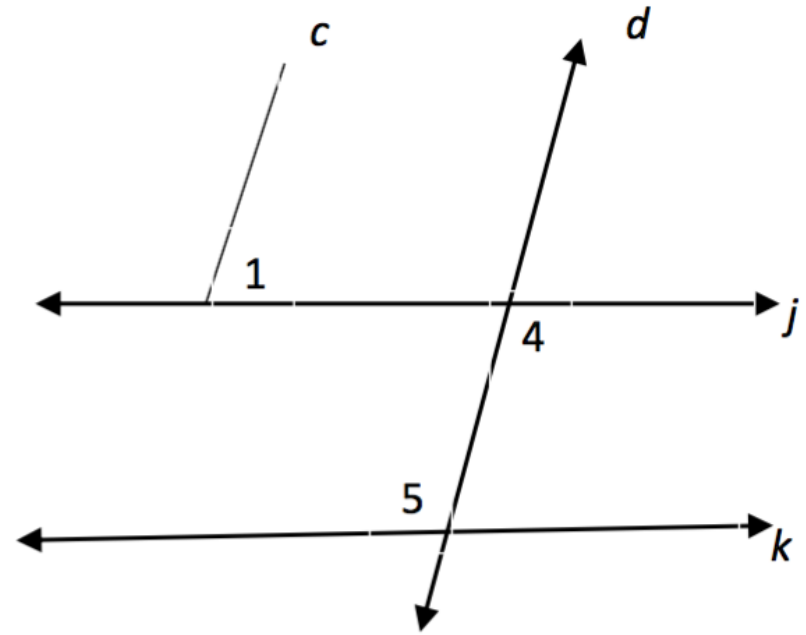
**GIVEN**  $\blacktriangleright a \parallel b, \angle 1 \cong \angle 2$

**PROVE**  $\blacktriangleright c \parallel d$



5. Given:  $\angle 1$  and  $\angle 5$  are Supplementary  
 $\angle 1$  and  $\angle 4$  are Supplementary

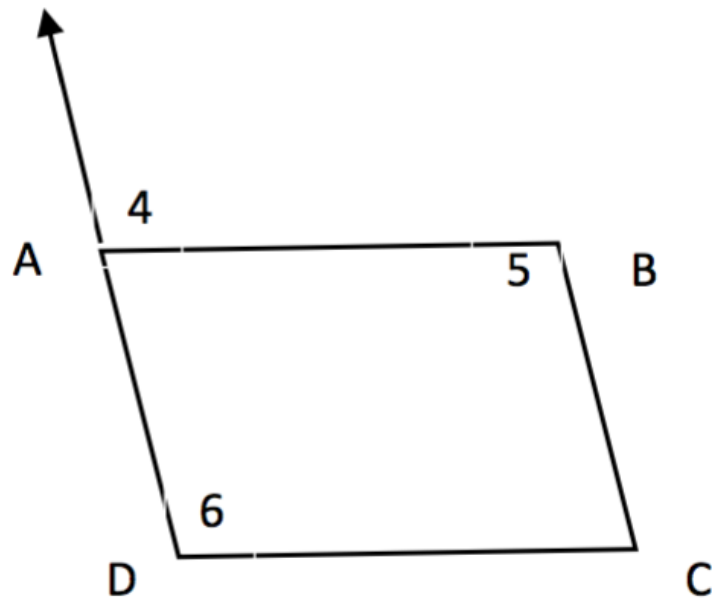
Prove:  $j \parallel k$



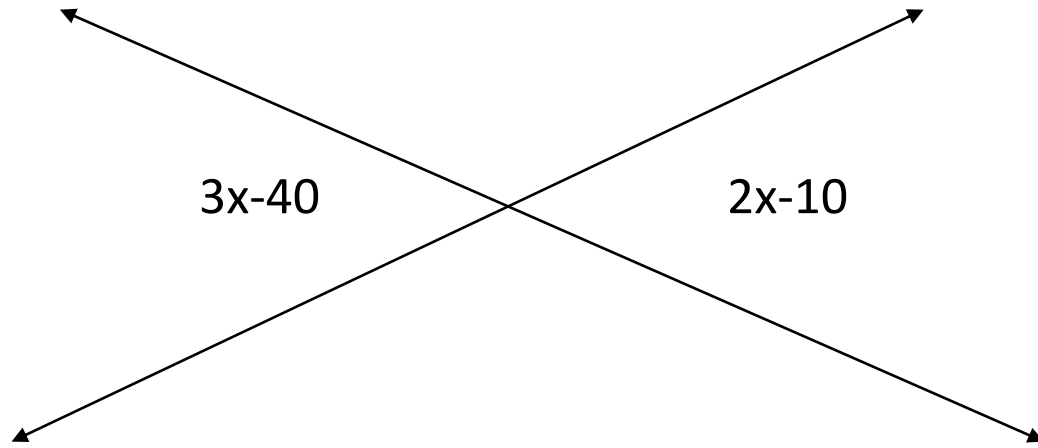


4. Given:  $\angle 5 \cong \angle 6$ ;  $\angle 6 \cong \angle 4$

Prove:  $\overline{AD} \parallel \overline{BC}$



Find the value of  $x$ .



Find the value of  $y$ .

