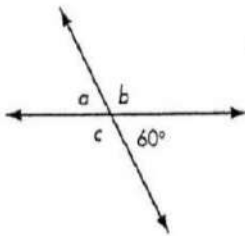
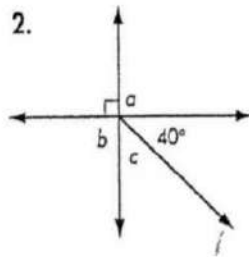


Find the angle measure for each letter.

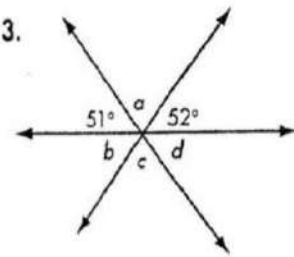
1.



2.

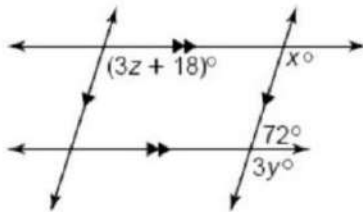


3.

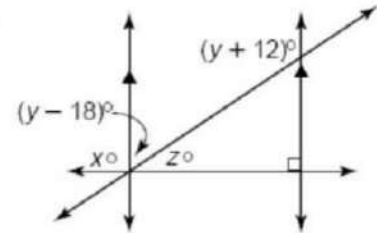


Find the values of x , y and z in each figure.

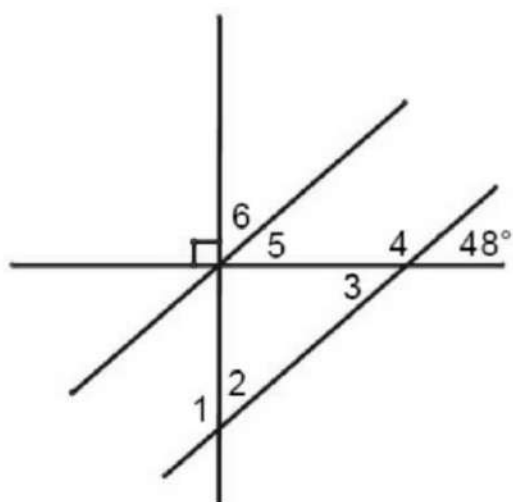
11.



12.



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



1. $m\angle 1 =$ _____

2. $m\angle 2 =$ _____

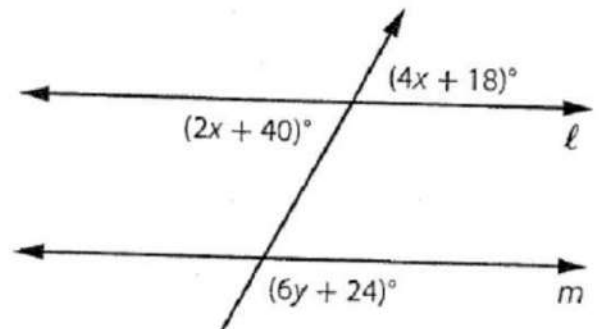
3. $m\angle 3 =$ _____

4. $m\angle 4 =$ _____

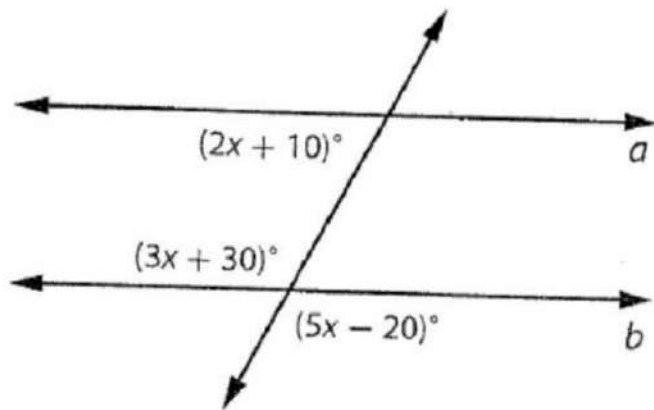
5. $m\angle 5 =$ _____

6. $m\angle 6 =$ _____

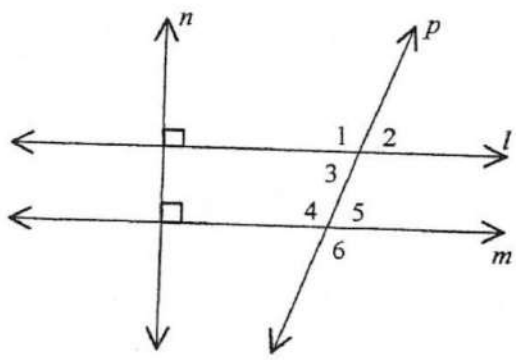
6. If lines ℓ and m are parallel, find the values of x and y in the diagram to the right.



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

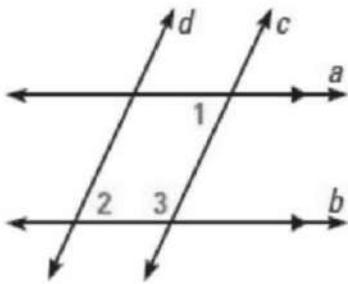


Given: $l \perp n, m \perp n$
Prove: $\angle 3$ and $\angle 6$ are supplementary



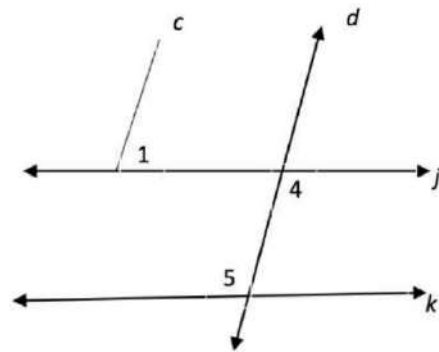
GIVEN $\triangleright a \parallel b, \angle 1 \cong \angle 2$

PROVE $\triangleright c \parallel d$



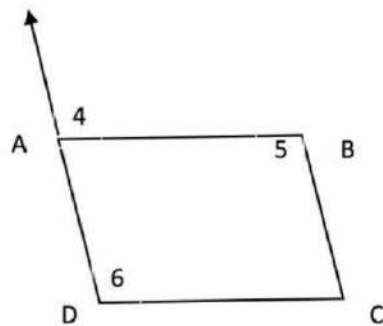
5. Given: $\angle 1$ and $\angle 5$ are Supplementary
 $\angle 1$ and $\angle 4$ are Supplementary

Prove: $j \parallel k$



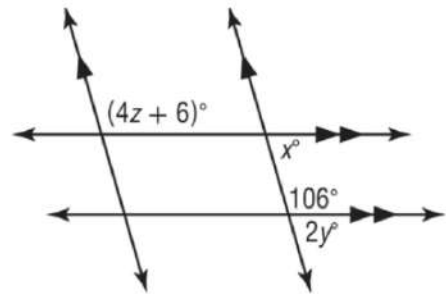
4. Given: $\angle 5 \cong \angle 6$; $\angle 6 \cong \angle 4$

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

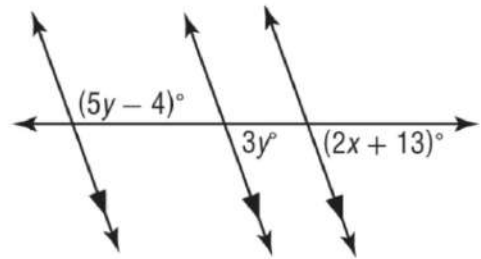


7. _____

Find the value of the variable(s) in each figure. Explain your reasoning.



8. Find the value of the variable(s) in each figure.
Explain your reasoning.



8. Given: $\overline{AB} \parallel \overline{EC}$; $\overline{BC} \parallel \overline{EF}$

Prove: $\angle 7 \cong \angle 4$

Statements _____ Reasons

