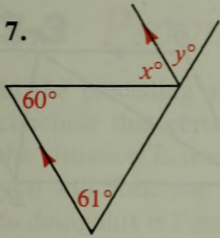
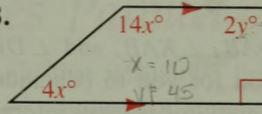


Find the values of x and y .

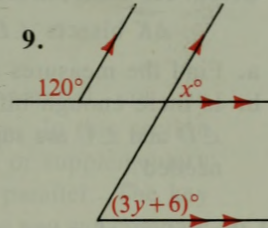
7.



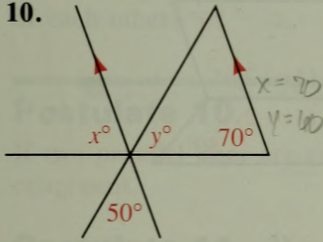
8.



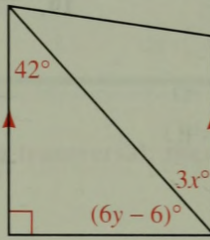
9.



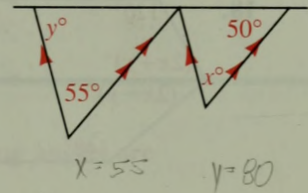
10.



11.

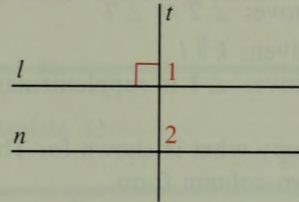


12.



13. Copy and complete the proof of Theorem 3-4.

 Given: Transversal t cuts l and n ;
 $t \perp l$; $l \parallel n$

 Prove: $t \perp n$

Proof:

Statements

Reasons

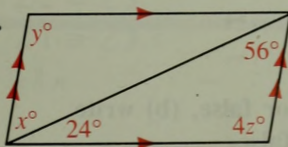
1. $t \perp l$
2. $m\angle 1 = 90$
3. ?
4. $\angle 2 \cong \angle 1$ or $m\angle 2 = m\angle 1$
5. ?
6. $t \perp n$

1. ? given
2. ? \perp lines def
3. Given
4. ? if lines \parallel , corr \angle s are \cong
5. Substitution Property
6. ? \perp lines def

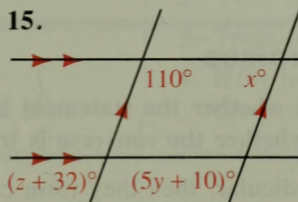
 Find the values of x , y , and z .

B

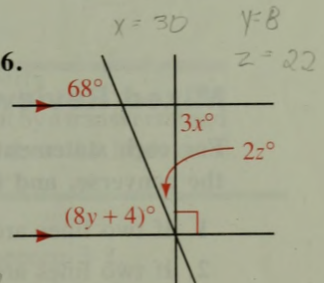
14.



15.



16.



$$\begin{array}{r}
 70 = 5y + 10 \\
 -10 \quad -10 \\
 \hline
 60 = 5y \\
 \frac{60}{5} = \frac{5y}{5} \\
 12 = y
 \end{array}
 \qquad
 \begin{array}{r}
 70 = 2 + 32 \\
 -32 \quad -32 \\
 \hline
 38 = 2 \\
 38 : 2 \\
 19 = 1
 \end{array}$$