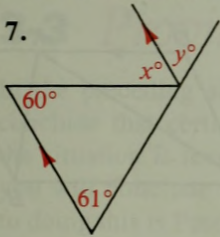
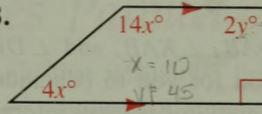


Find the values of  $x$  and  $y$ .

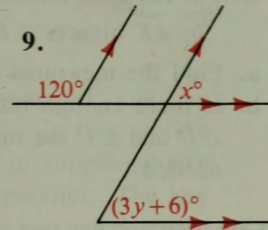
7.



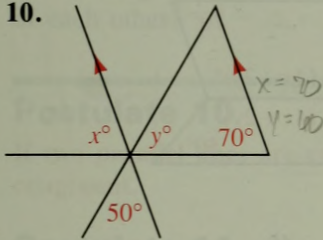
8.



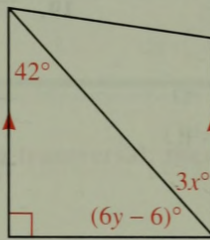
9.



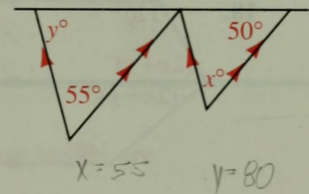
10.



11.



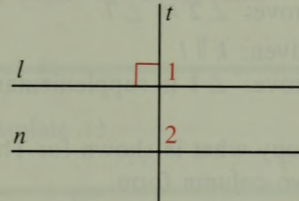
12.



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.  $t \perp l$ 

1. ? given

 2.  $m\angle 1 = 90$ 

 2. ?  $\perp$  lines def

3. ?

3. Given

 4.  $\angle 2 \cong \angle 1$  or  $m\angle 2 = m\angle 1$ 

 4. ? if lines  $\parallel$ , corr  $\angle$ s are  $\cong$ 

5. ?

5. Substitution Property

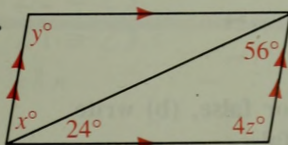
 6.  $t \perp n$ 

 6. ?  $\perp$  lines def

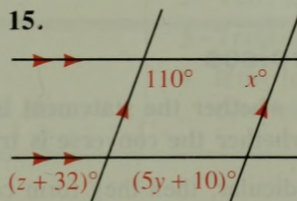
 Find the values of  $x$ ,  $y$ , and  $z$ .

B

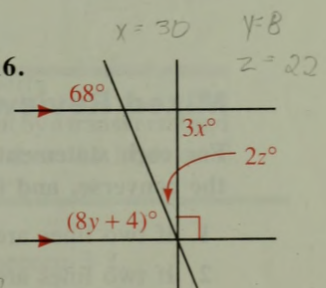
14.



15.



16.



$$\begin{array}{r} 70 = 5y + 10 \\ -10 \quad -10 \\ \hline 60 = 5y \\ \frac{60}{5} = \frac{5y}{5} \\ y = 12 \end{array}$$

$$\begin{array}{r} 70 = 2 + 32 \\ -32 \quad -32 \\ \hline 38 = 2 \end{array}$$

$$38 \div 2$$