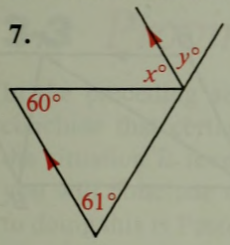
Find the values of x and y.

7.



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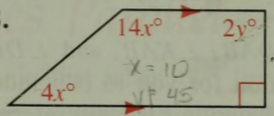
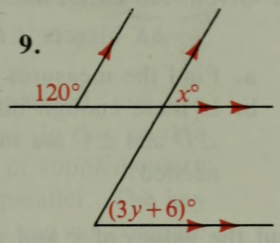
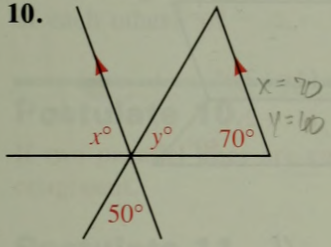


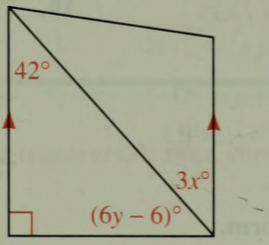
9.



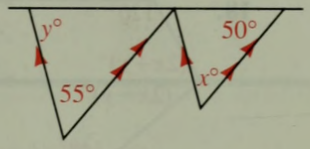
10.



11.



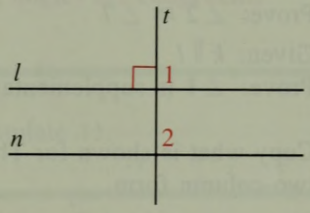
12.



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

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

Prove: $t \perp n$



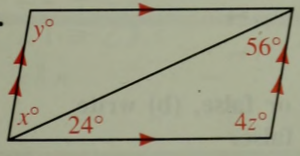
Proof:

Statements	Reasons
1. $t \perp l$	1. ? given
2. $m\angle 1 = 90$	2. ? ⊥ lines def
3. ?	3. Given
4. $\angle 2 \cong \angle 1$ or $m\angle 2 = m\angle 1$	4. ? if lines ∥, corr ∠s are ≅
5. ?	5. Substitution Property
6. $t \perp n$	6. ? ⊥ lines def

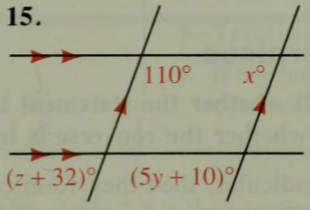
Find the values of x, y, and z.

B

14.



15.



16.