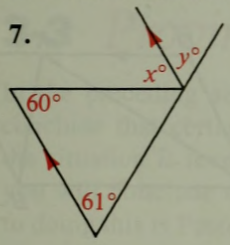
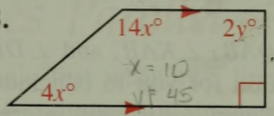
**Find the values of $x$ and $y$.**

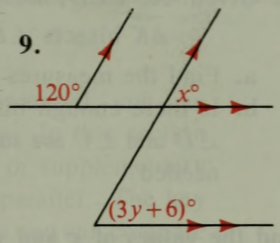
**7.**



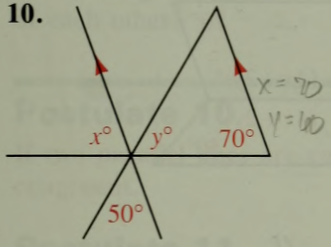

**8.**



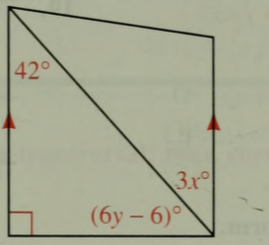

**9.**



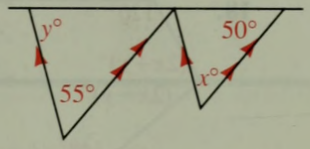

**10.**




**11.**



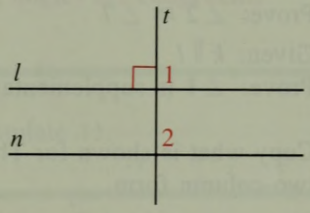

**12.**




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

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

Prove: $t \perp n$



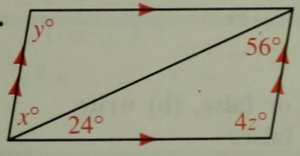

**Proof:**

| Statements | Reasons |
|---|---|
| 1. $t \perp l$ | 1. ? given |
| 2. $m\angle 1 = 90$ | 2. ? ⊥ 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 |

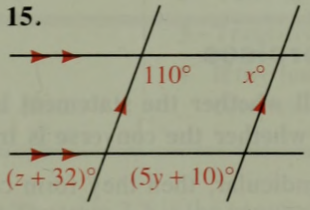
**Find the values of $x$, $y$, and $z$.**

**B**

**14.**




**15.**




**16.**