

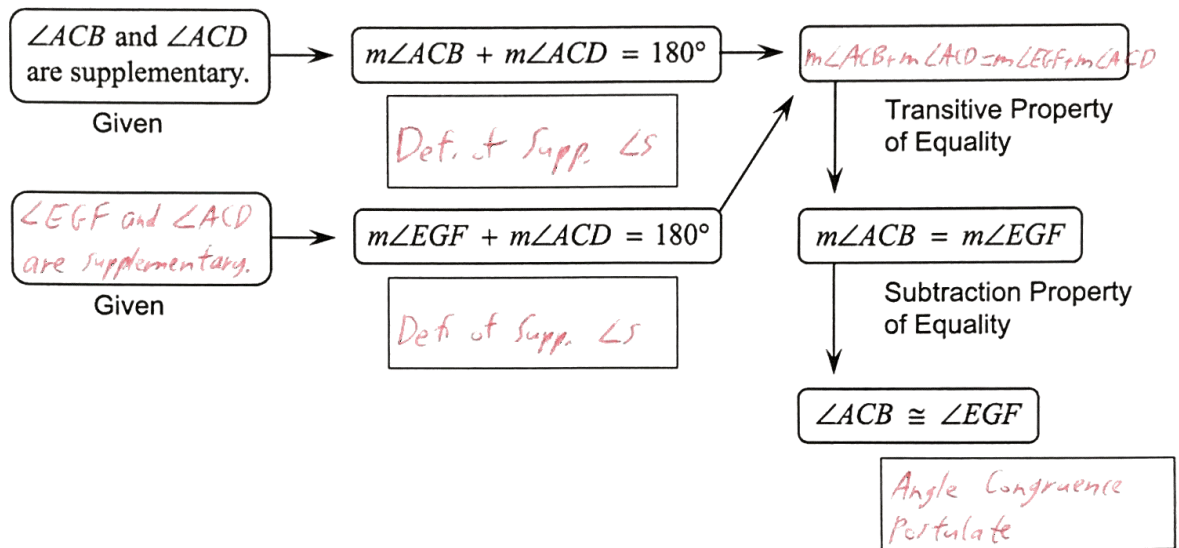
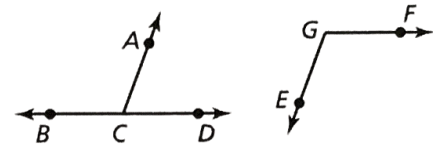
**2.6** Notetaking with Vocabulary (continued)

**Extra Practice**

1. Complete the flowchart proof. Then write a two-column proof.

**Given**  $\angle ACB$  and  $\angle ACD$  are supplementary.  
 $\angle EGF$  and  $\angle ACD$  are supplementary.

**Prove**  $\angle ACB \cong \angle EGF$



**Two-Column Proof**

STATEMENTS	REASONS
1) $\angle ACB + \angle ACD$ are supp.	1) Given
2) $\angle EGF + \angle ACD$ are supp.	2) Given
3) $m\angle ACB + m\angle ACD = 180^\circ$	3) Def. of Supp. $\angle$ s
4) $m\angle EGF + m\angle ACD = 180^\circ$	4) Def. of Supp. $\angle$ s
5) $m\angle ACB + m\angle ACD = m\angle EGF + m\angle ACD$	5) Substitution (#3 + 4)
6) $m\angle ACB = m\angle EGF$	6) Subtraction
7) $\angle ACB \cong \angle EGF$	7) Angle Congruence Postulate