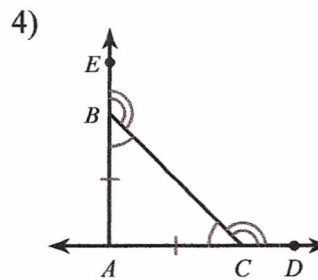
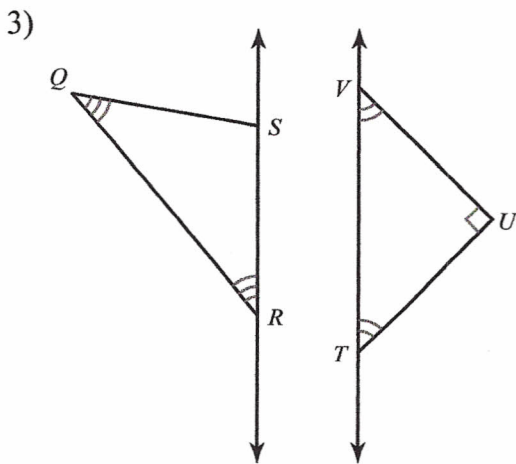
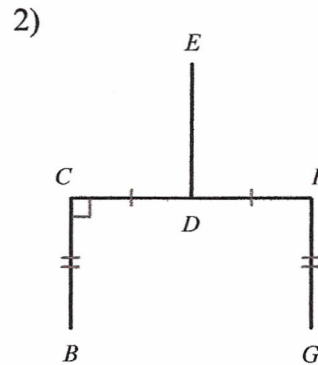
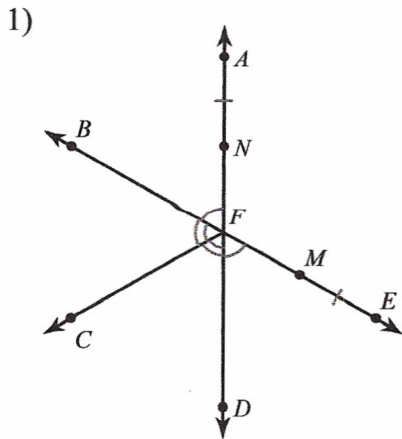
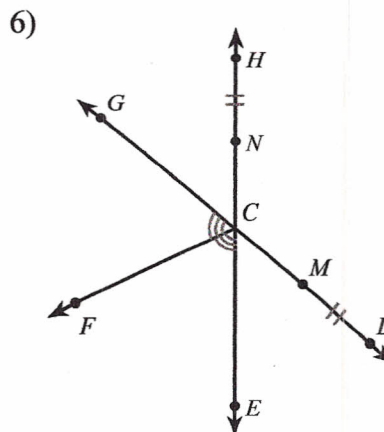
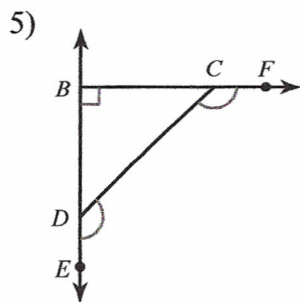


2.6 ~ Beginning Proofs

List all information given by the marks on the diagram: congruent segments, congruent angles, and right angles.



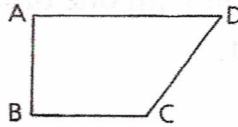
What information can be assumed from the diagram? Are there any straight angles, linear pairs, and/or vertical angles?



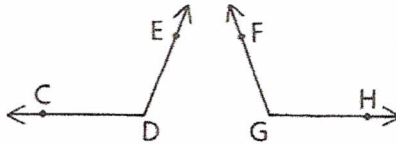
## 2.6 Beginning Proofs

Two-Column Proof Problems:

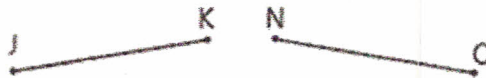
7. Given:  $\angle A$  is a right angle  
 $\angle B$  is a right angle  
Prove:  $\angle A \cong \angle B$



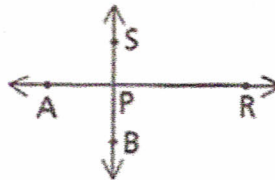
8. Given:  $m\angle CDE = 110$   
 $m\angle HGF = 110$   
Prove:  $\angle CDE \cong \angle HGF$



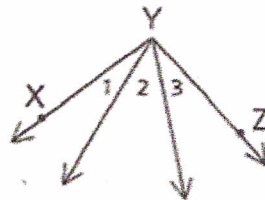
9. Given:  $JK = 2.5$   
 $NO = 2.5$   
Prove:  $\overline{JK} \cong \overline{NO}$



10. Given: Diagram as shown  
Prove:  $\angle APR \cong \angle BPS$



11. Given:  $m\angle 1 = 20$   
 $m\angle 2 = 40$   
 $m\angle 3 = 30$   
Prove:  $\angle XYZ$  is a right angle



**PROOFS MUST BE DONE ON PROOF PAPER**