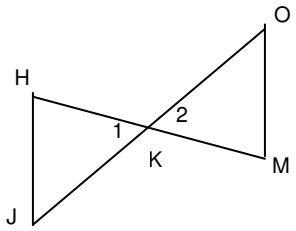
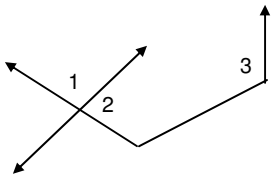
2-4 to 2-6

1. Given: ∠O is comp to ∠2
   ∠J is comp to ∠1
   Prove: ∠O ≅ ∠J



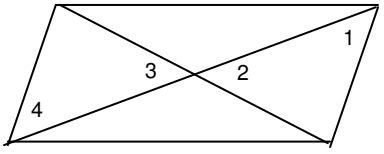
Statement Reason

2. Given: ∠1 ≅ ∠3
   Prove: ∠2 is supp to ∠3



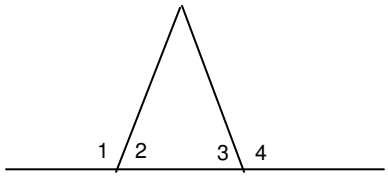
Statement Reason

3. Given: ∠1 is comp to ∠3
   ∠2 is comp to ∠4
   Prove: ∠1 ≅ ∠4



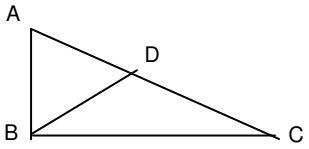
Statement Reason

4. Given: $\angle 1$ is supp to $\angle 2$
$\angle 3$ is supp to $\angle 4$
$\angle 1 \cong \angle 4$
Prove: $\angle 2 \cong \angle 3$



Statement | Reason

5. Given: $\angle A$ is comp to $\angle C$
$\angle DBC$ is comp to $\angle C$
Prove: $\angle A \cong \angle DBC$

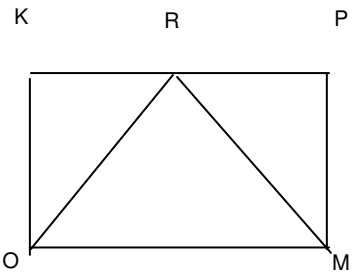


Statement | Reason

6. . Given: $\overline{KO} \perp \overline{MO}, \overline{PM} \perp \overline{MO}$

$\angle KOR \cong \angle PMR$

Prove: $\angle ROM \cong \angle RMO$



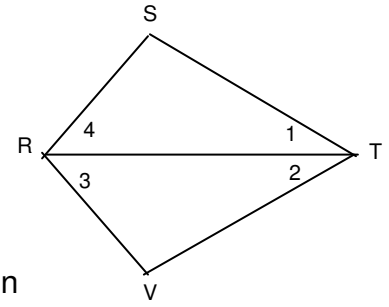
Statement Reason

7. Given: $\angle 1$ is comp to $\angle 4$

$\angle 3$ is comp to $\angle 2$

$\overline{RT}$ bisects $\angle SRV$

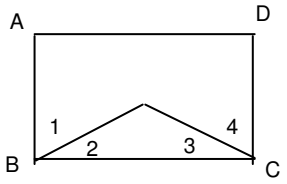
Prove: $\angle 1 \cong \angle 2$



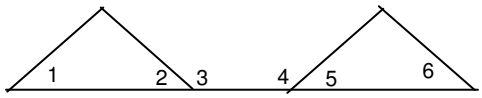
Statement Reason

More Chap 2 Proofs

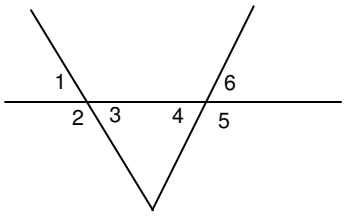
1. Given: $\overline{AB} \perp \overline{BC}$, $\overline{DC} \perp \overline{BC}$, $\angle 1 \cong \angle 4$
   Prove: $\angle 2 \cong \angle 3$



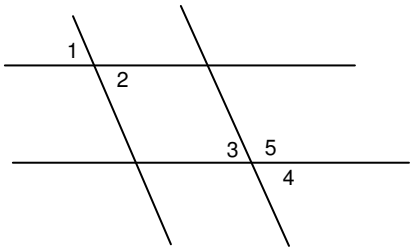
2. Given: $\angle 3 \cong \angle 4$, $\angle 1 \cong \angle 2$, $\angle 5 \cong \angle 6$
   Prove: $\angle 1 \cong \angle 6$



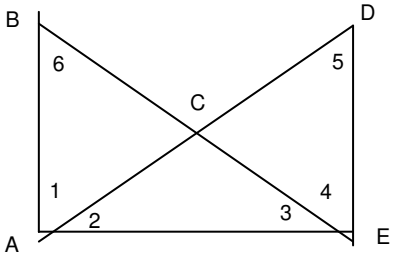
3. Given: $\angle 1 \cong \angle 6$
   Prove: $\angle 5 \cong \angle 2$



4. Given: $\angle 1$ is supp to $\angle 5$
   Prove: $\angle 3 \cong \angle 2$



5. Given: $\angle 3 \cong \angle 2$, $\overline{AB} \perp \overline{AE}$, $\overline{DE} \perp \overline{AE}$
   Prove: $\angle 1 \cong \angle 4$



6. Given: $\overline{AC}$ bisects $\angle BCD$,
   $\angle 3$ is comp to $\angle 1$, $\angle 4$ is comp to $\angle 2$
   Prove: $\angle 1 \cong \angle 2$