

Name: \_\_\_\_\_

Date: \_\_\_\_\_

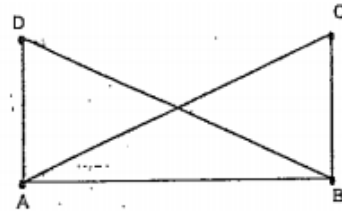
### Unit 5 Review – Additional Proofs to Study

1.

Given:  $\overline{DA} \perp \overline{AB}$ ,  $\overline{CB} \perp \overline{BA}$

$\angle CAB \cong \angle DBA$

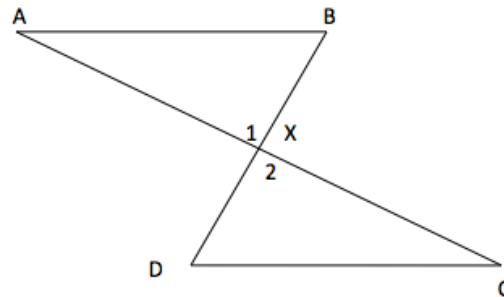
Prove:  $\angle D \cong \angle C$



4. Given:  $\angle A \cong \angle C$

X is the midpoint  $\overline{AC}$

Prove:  $\triangle ABX \cong \triangle CDX$



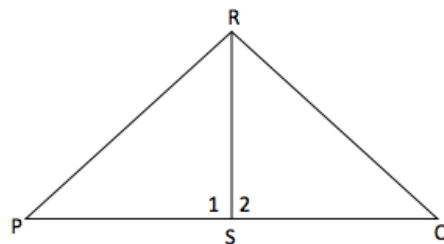
5. Given:

$\overline{RS} \perp \overline{PQ}$ ;

$\overline{PR} \cong \overline{QR}$

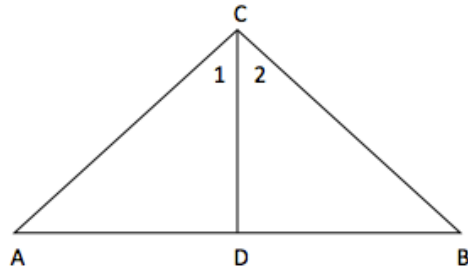
Prove:

$\triangle PRS \cong \triangle QRS$



6. Given:  $\overline{CD}$  bisects  $\angle ACB$   
 $\overline{AC} \cong \overline{BC}$

Prove:  $\triangle ACD \cong \triangle BCD$



7.

Given  $\overline{AD}$  bisects  $\angle BAW$  and  $\angle BDW$

Prove:  $BD \cong WD$

