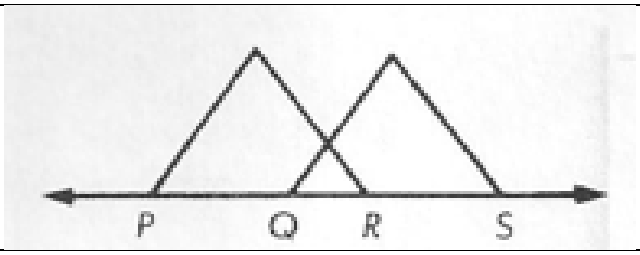
Honors Geometry Name: _____

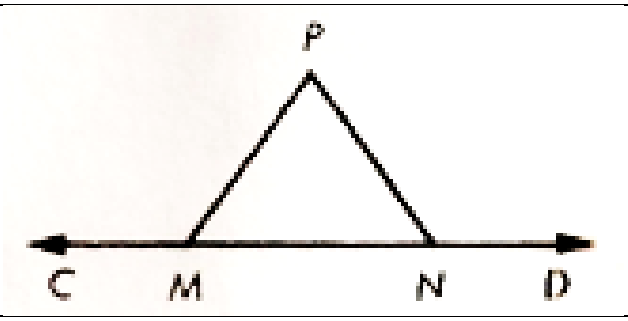
Proofs w/ Segments and Angles



Given: The figure with $PQ = RS$.

Prove: $PR = QS$.

STATEMENTS	REASONS



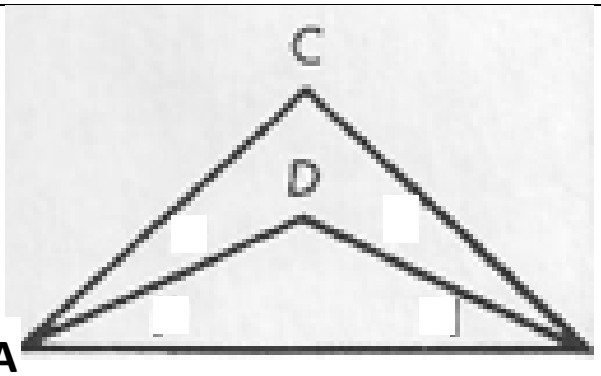
Given: $\angle PMN \cong \angle PNM$

Prove: $\angle CMP \cong \angle DNP$

Hint:

Number the angles in the diagram!!

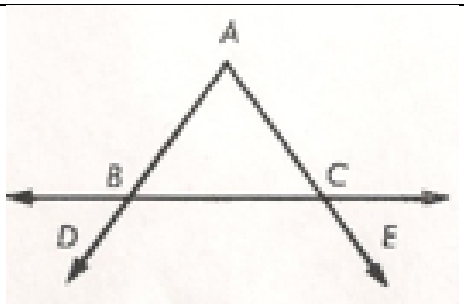
STATEMENTS	REASONS



Given: The figure with $m\angle CAB = m\angle CBA$ and $m\angle 1 = m\angle 2$

Prove: $\angle 3 \cong \angle 4$

STATEMENTS	REASONS

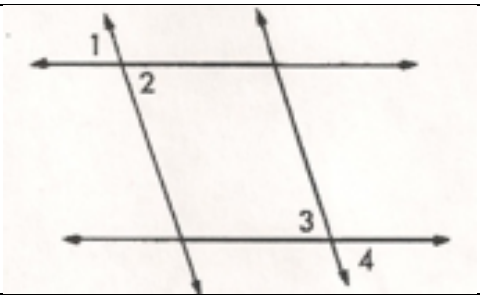


Given: $\angle DBC \cong \angle ECB$

Prove: $\angle ABC \cong \angle ACB$

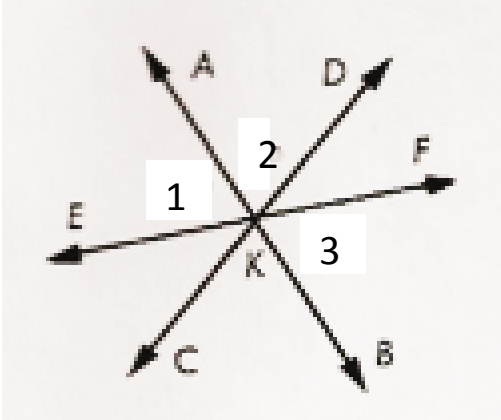
Hint:
Number the angles in the diagram!!

STATEMENTS	REASONS



Given the figure with $\angle 2 \cong \angle 3$.
Prove that $\angle 1 \cong \angle 4$.

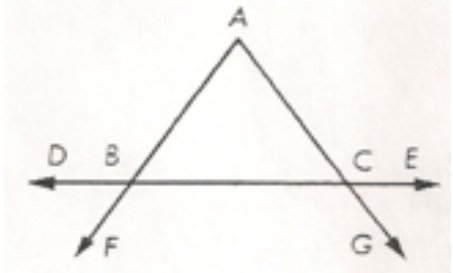
STATEMENTS	REASONS



Given:
$\overleftrightarrow{AB}$, $\overleftrightarrow{CD}$, and $\overleftrightarrow{EF}$ intersect at K;
and $\angle 1 \cong \angle 2$

Prove: $\angle 2 \cong \angle 3$

STATEMENTS	REASONS

	**Given:** $\angle ABC \cong \angle ACB$ **Prove:** $\angle DBF \cong \angle ECG$
STATEMENTS	REASONS