

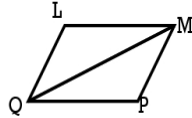
Assignment

Proofs on Proving Triangles Congruent (Part 2)

Write a two-column proof.

1. **Given:** $\angle LQM \cong \angle QMP$, $\angle LMQ \cong \angle PQM$

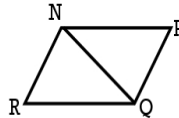
Prove: $\triangle LQM \cong \triangle PMQ$



Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

2. **Given:** $\angle PNQ \cong \angle RQN$, $\overline{NP} \cong \overline{QR}$

Prove: $\triangle NRQ \cong \triangle QPN$



Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

3. **Given:** $\overline{MO} \cong \overline{TO}$, $\overline{NO} \cong \overline{PO}$

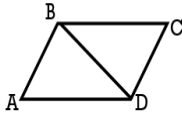
Prove: $\triangle MON \cong \triangle TOP$



Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

4. **Given:** $\angle A \cong \angle C$, $\angle ADB \cong \angle CBD$

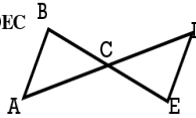
Prove: $\triangle ABD \cong \triangle CDB$



Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

5. **Given:** $\overline{AC} \cong \overline{CD}$, $\angle B$ & $\angle E$ are right angles

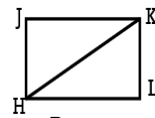
Prove: $\triangle ABC \cong \triangle DEC$



Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

6. **Given:** $\overline{JK} \cong \overline{LH}$, $\angle J$ & $\angle L$ are right angles

Prove: $\triangle HJK \cong \triangle KLH$



Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.