Priority Standards

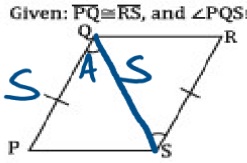
Take Priority Standards test

Then login with remote and enter answers

SHHHH! It's a test

Check Homework

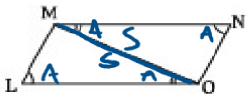
2. Given: $\overline{PQ} \cong \overline{RS}$, and $\angle PQS \cong \angle RSQ$



Prove: $\triangle ABC \cong \triangle DBC$

Statements	Reasons
1. $\overline{PQ} \cong \overline{RS}$	1. Given
2. $\angle PQS = \angle RSQ$	2. Given
3. $\overline{QS} \cong \overline{QS}$	3. Reflexive Prop.
4. $\triangle PQS \cong \triangle RSQ$	4. SAS

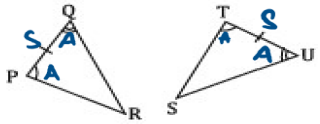
4. Given: $\angle L \cong \angle N$, $\angle LOM \cong \angle NMO$



Prove: $\triangle LMO \cong \triangle NOM$

Statements	Reasons
1. $\angle L \cong \angle N$	1. Given
2. $\angle LOM \cong \angle NMO$	2. Given
3. $\overline{MO} \cong \overline{OM}$	3. Reflexive Property
4. $\triangle LMO \cong \triangle NOM$	4. AAS

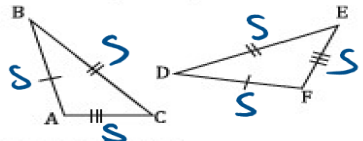
20. Given: $\overline{PQ} \cong \overline{TU}$, $\angle P \cong \angle T$, and $\angle Q \cong \angle U$



Prove: $\triangle PQR \cong \triangle TUS$

$\overline{PQ} \cong \overline{TU}$	Given
$\angle P \cong \angle T$	Given
$\angle Q \cong \angle U$	Given
$\triangle PQR \cong \triangle TUS$	ASA

22. Given: $\overline{AB} \cong \overline{DF}$, $\overline{BC} \cong \overline{DE}$, and $\overline{AC} \cong \overline{EF}$



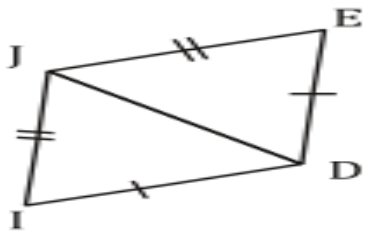
Prove: $\triangle ABC \cong \triangle FDE$

$\overline{AB} \cong \overline{DF}$	Given
$\overline{BC} \cong \overline{DE}$	Given
$\overline{AC} \cong \overline{EF}$	Given
$\triangle ABC \cong \triangle FDE$	SSS

Note Card check

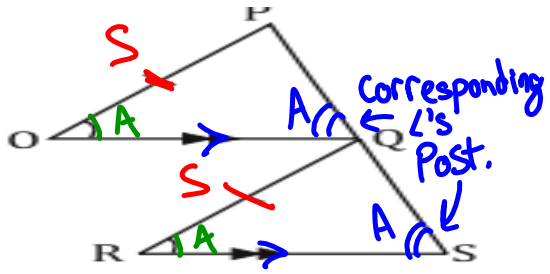
Note card Check

Prove the two Triangles Congruent



Let's add something

Prove: $\Delta POQ \cong \Delta QRS$



Statement	Reason
$\overline{OP} \cong \overline{QR}$	Given
$\angle O \cong \angle R$	Given
$\overline{OQ} \parallel \overline{RS}$	Given
$\angle PQO \cong \angle QSR$	Corr. ∠'s Post.
$\Delta POQ \cong \Delta QRS$	AAS

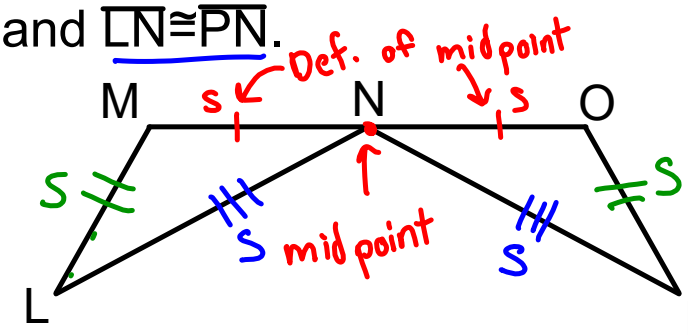
One more piece to add

Bisect - divide into two equal part

Midpoint - the point on the line segment divides the line segment into two congruent segments

Class proofs

Given: N is the midpoint of $\overline{MO}$, $\overline{LM} \cong \overline{PO}$ and $\overline{LN} \cong \overline{PN}$.

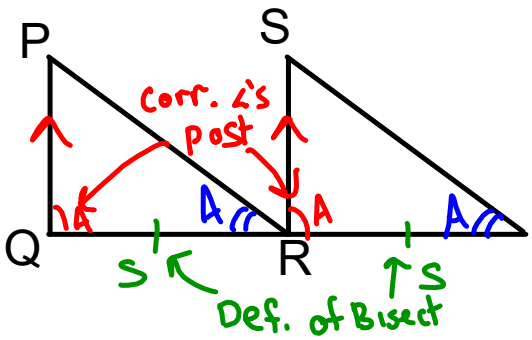


Prove: $\triangle LMN = \triangle PON$

Statement	Reason
N is the midpoint of $\overline{MO}$	Given
$\overline{LM} \cong \overline{PO}$	Given
$\overline{LN} \cong \overline{PN}$	Given
$\overline{MN} \cong \overline{ON}$	Def. of Midpoint
$\triangle LMN \cong \triangle PON$	SSS

Class proofs

Given: $\overline{SR}$ bisects of $\overline{QT}$, $\overline{PQ} \parallel \overline{SR}$, and $\angle PRQ \cong \angle STR$.



Prove: $\triangle PQR = \triangle SRT$

Statement	Reason
$\overline{SR}$ bisects $\overline{QT}$	Given
$\overline{PQ} \parallel \overline{SR}$	Given
$\angle PRQ \cong \angle STR$	Given
$m\overline{QR} = m\overline{TR}$	Def. of bisect
$\overline{QR} \cong \overline{TR}$	Def. of $\cong$
$\triangle PQR \cong \triangle SRT$	ASA

YOUR TURN!!!!

30 and 31