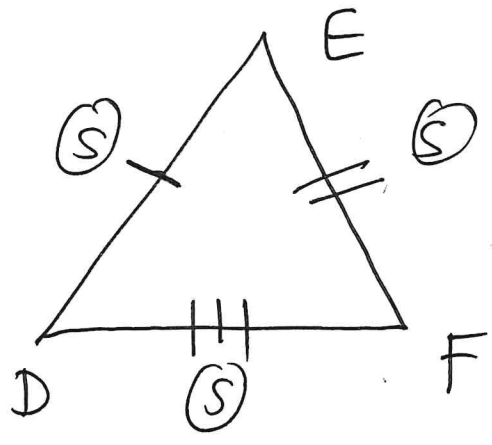
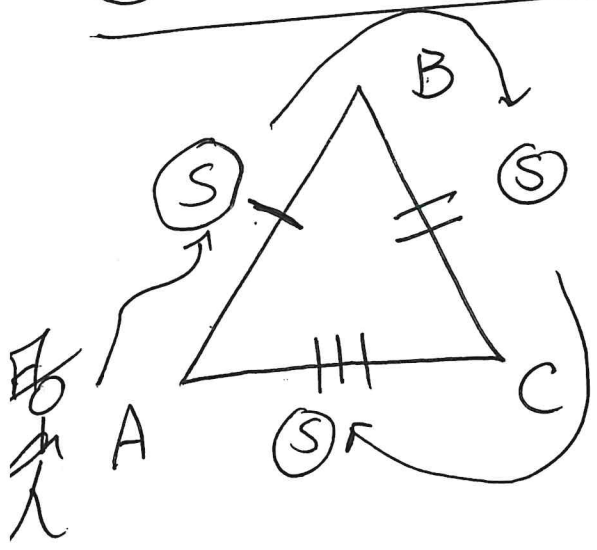


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Lesson 24 SSS : ASA

Side - Side - Side (SSS)

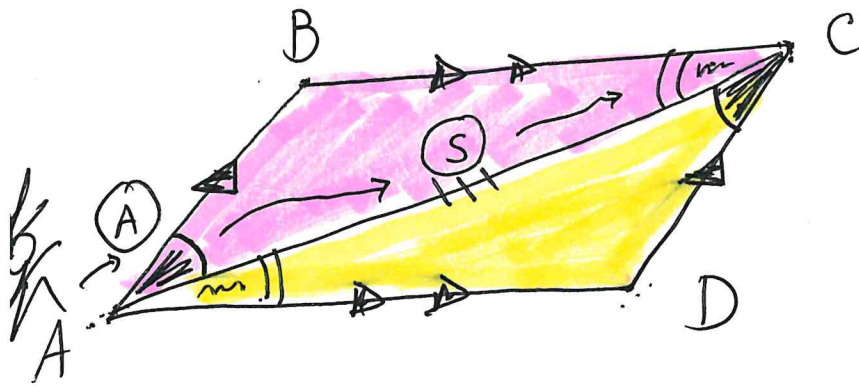


Statements	Reasons
① See Above	① Given
② $\overline{AB} \cong \overline{DE}$	② Corr. sides (\cong)
③ $\overline{BC} \cong \overline{EF}$	③ Corr. sides (\cong)
④ $\overline{AC} \cong \overline{DF}$	④ Corr. sides (\cong)
⑤ $\triangle ABC \cong \triangle DEF$	⑤ SSS



Angle-Side-Angle (ASA)

* Side must be between the angles



Given $\triangleright \overline{AB} \parallel \overline{CD}$
 $\overline{BC} \parallel \overline{AD}$

prove $\triangleright \triangle ABC \cong \triangle CDA$

Statements

Reasons

① See Above

① Given

② $\angle BAC \cong \angle ACD$

② Alt. int. \angle 's

③ $\overline{AC} \cong \overline{AC}$

③ Reflexive

④ $\angle ACB \cong \angle DAC$

④ Alt. int. \angle 's

⑤ $\triangle ABC \cong \triangle CDA$

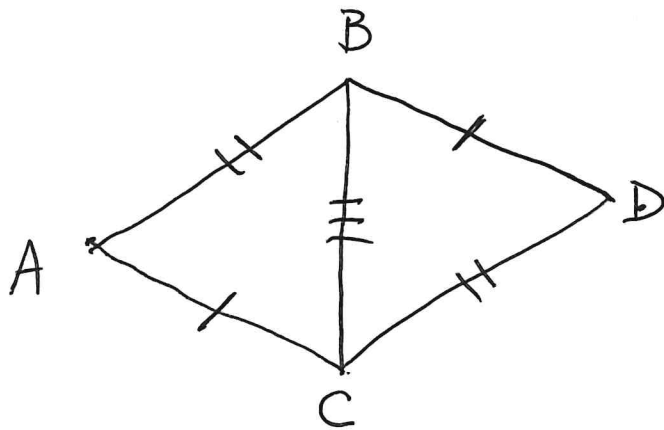
⑤ ASA

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Name: _____

HR: _____

1.)



Given $\triangleright \overline{AC} \cong \overline{BD}$

$\overline{AB} \cong \overline{DC}$

prove $\triangleright \triangle ABC \cong \triangle DCB$

Statements

Reasons

①

①

②

②

③

③

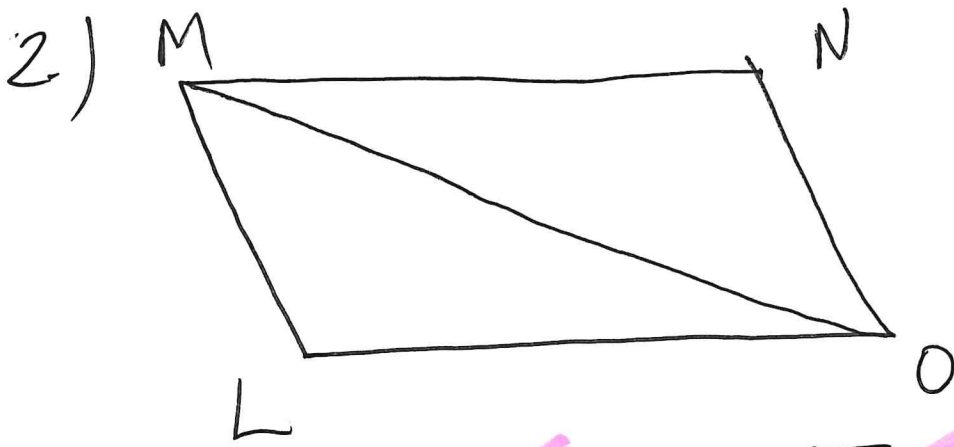
④

④

⑤

⑤

⑥



Given $\overline{MN} \parallel \overline{LO}$; $\overline{ML} \parallel \overline{NO}$

prove $\triangle MLO \cong \triangle ONM$

Statements	Reasons
(1)	(1)
(2)	(2)
(3)	(3)
(4)	(4)
(5)	(5)