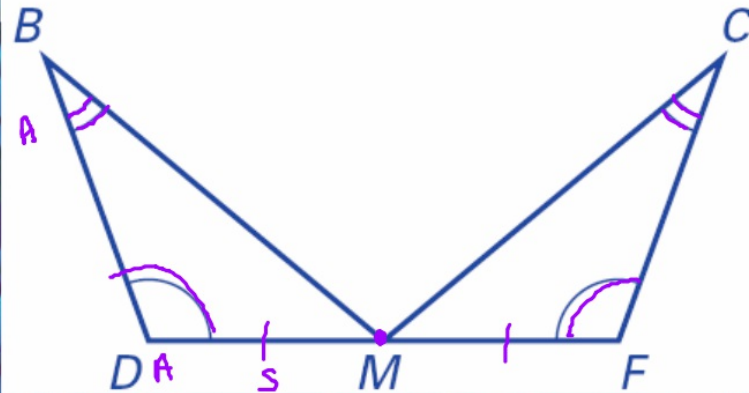


4.3 Review / Warm -up

1. **Given:** $\angle B \cong \angle C$, $\angle D \cong \angle F$

M is the midpoint of \overline{DF} .

Prove: $\triangle BDM \cong \triangle CFM$



statements

reasons

1. $\angle B \cong \angle C$, $\angle D \cong \angle F$
 M is the M.P. of DF

GIVEN

GIVEN
 GIVEN

Def. of Midpoint

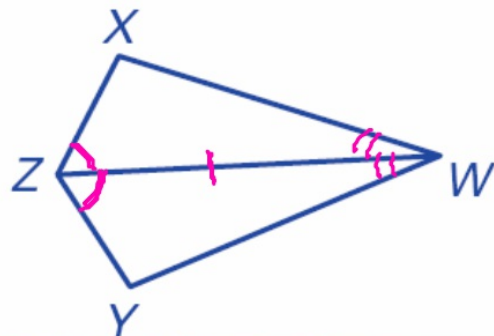
2. $DM \cong FM$

3. $\triangle BDM \cong \triangle CFM$

AAS

2. **Given:** \overline{WZ} bisects $\angle XZY$ and $\angle XWY$

Prove: $\triangle WZX \cong \triangle WZY$



statements

reasons

1. \overline{WZ} BISECTS
 $\angle XZY$ AND $\angle XWY$

GIVEN

2. $\angle XZW \cong \angle YZW$

3. $\angle XWZ \cong \angle YWZ$

4. $\overline{ZW} \cong \overline{ZW}$

5. $\triangle WZX \cong \triangle WZY$

Def. of Angle Bisector
 Def. of Angle Bisector

Reflexive Prop.

ASA