4.

Given: ∠AFE ≅ ∠DEF

FC bis. ∠AFE

EB bis. ∠DEF

Prove: ∠1 ≅ ∠2
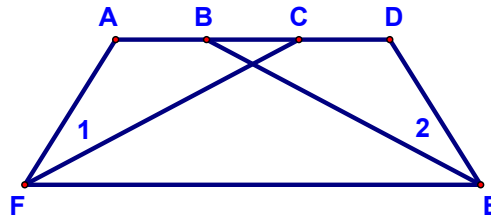
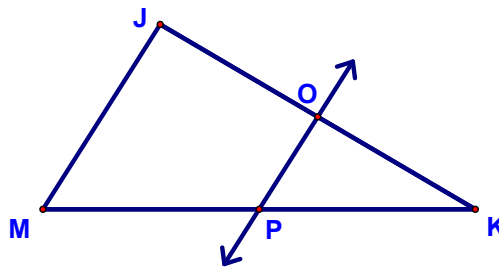| Statements	Reasons

5.

Given: $\overline{JK}$ ≅ $\overline{MK}$

$\overleftrightarrow{OP}$ bisects $\overline{JK}$ & $\overline{MK}$

Prove: $\overline{JO}$ ≅ $\overline{PK}$

Statements	Reasons

10.

Given: $\overline{VW} \cong \overline{AB}$
$\overline{WX} \cong \overline{BC}$
X is the midpt. of $\overline{VZ}$
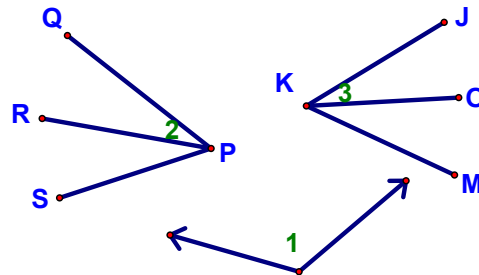C is the midpt. of $\overline{AD}$

V ———— W —— X ———————— Z

A ———— B —— C ———————— D
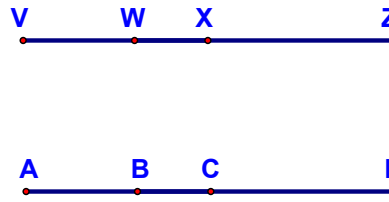
Prove: $\overline{VZ} \cong \overline{AD}$

Statements	Reasons

12.

Given: $\overrightarrow{PR}$ bisects ∠QPS
$\overrightarrow{KO}$ bisects ∠JKM
∠1 is supp. to ∠JKM
∠1 is supp. to ∠QPS

Prove: ∠2 ≅ ∠3

Statements	Reasons

13.

Given: $\angle 1 \cong \angle 2$

$\overrightarrow{BG}$ **bis.** $\angle ABF$

$\overrightarrow{CE}$ **bis.** $\angle DCF$

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

Statements   **Reasons**