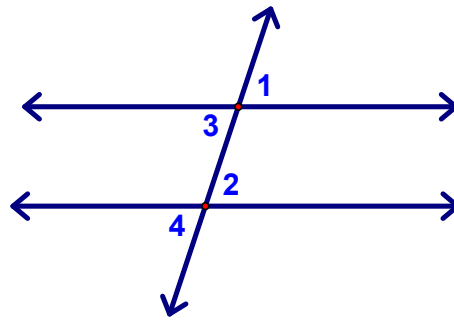


3.

Given:  $\angle 1 \cong \angle 3$   
 $\angle 2 \cong \angle 3$   
 $\angle 2 \cong \angle 4$

Prove:  $\angle 1 \cong \angle 4$



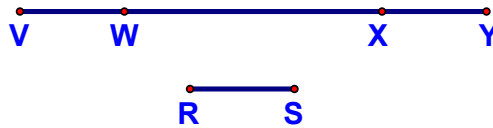
Statements

Reasons

10.

Given:  $\overline{VW} \cong \overline{RS}$   
 $\overline{XY} \cong \overline{RS}$

Prove:  $\overline{VX} \cong \overline{WY}$



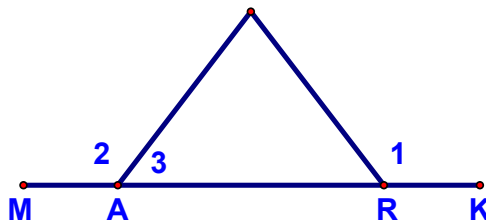
Statements

Reasons

11.

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

Prove:  $\angle 1$  is supp. to  $\angle 3$

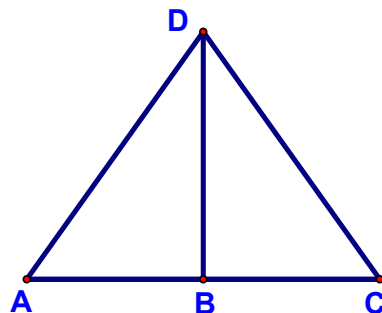


Statements	Reasons

12.

Given:  $\angle A$  is comp. to  $\angle ADB$   
 $\angle C$  is comp. to  $\angle CDB$   
 $\overrightarrow{DB}$  bisects  $\angle ADC$

Prove:  $\angle A \cong \angle C$



Statements	Reasons

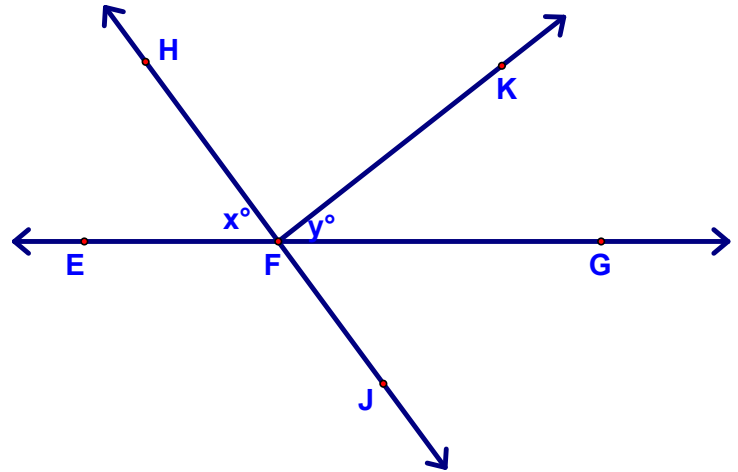
13.

Find the measures of each of the following angles in terms of  $x$  and  $y$ .

a.  $\angle HFK$

b.  $\angle EFK$

c.  $\angle HFG$



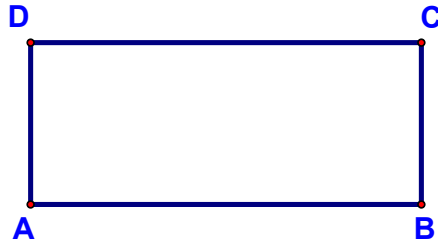
14.

When one-half the supplement of an angle is added to the complement of the angle, the sum is  $120^\circ$ . Find the measure of the complement.

15.

**Given:**  $\angle A$  is a right  $\angle$   
 $\angle B$  is a right  $\angle$   
 $\angle B \cong \angle D$

**Prove:**  $\angle A \cong \angle D$



Statements

Reasons

