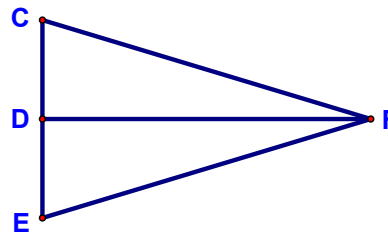


4.

Given: $\angle CFD \cong \angle EFD$
 \overline{FD} is an altitude

Prove: \overline{FD} is a median



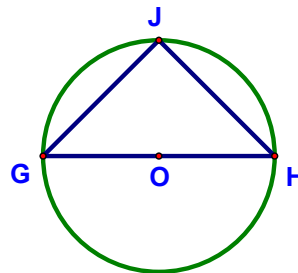
Statements

Reasons

5.

Given: $\odot O$
 $\overline{GJ} \cong \overline{HJ}$

Prove: $\angle G \cong \angle H$



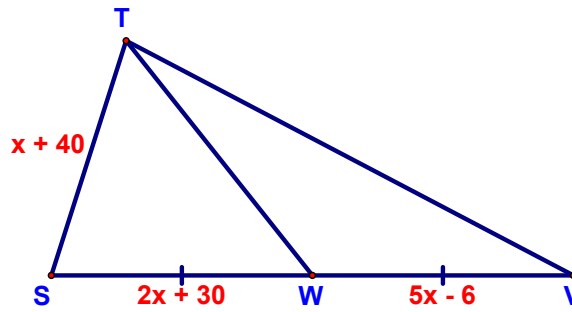
Statements

Reasons

6.

Given: \overline{TW} is a median
 $ST = x + 40$
 $SW = 2x + 30$
 $WV = 5x - 6$

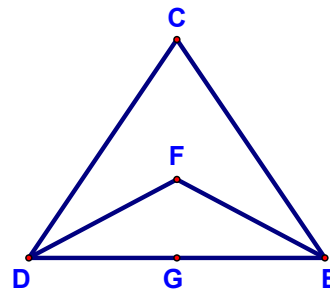
Find: SW , WV , and ST



11.

Given: \overrightarrow{DF} bisects $\angle CDE$
 \overrightarrow{EF} bisects $\angle CED$
 G is the midpoint of \overline{DE}
 $\overline{DF} \cong \overline{EF}$

Prove: $\angle CDE \cong \angle CED$



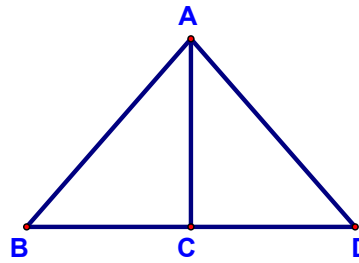
Statements

Reasons

12.

Given: \overline{AC} is an altitude to \overline{BD}
 \overline{AC} is a median
 $\angle BAC$ is comp. to $\angle D$

Prove: $\angle DAC$ is comp. to $\angle B$



Statements

Reasons

14.

Given: $\odot O$ and $\odot P$
 Perimeter of $\triangle AOP = 80$
 $OC + DP = 16$
 \overline{CD} is 2 units longer than \overline{OC}

Find: $OB + BP$

