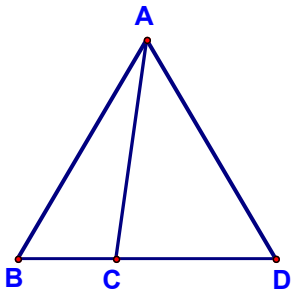
1.

Given: $\overline{AB} \cong \overline{AD}$
$\angle BAC$ not $\cong \angle DAC$

Prove: $\overline{BC}$ not $\cong \overline{DC}$

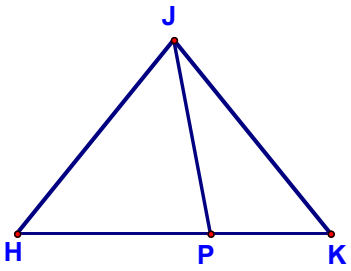


Statements	Reasons

2.

Given: P is not the midpoint of $\overline{HK}$
$\overline{HJ} \cong \overline{JK}$

Prove: $\overrightarrow{JP}$ does not bisect $\angle HJK$

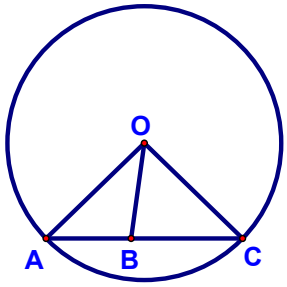


Statements	Reasons

5.

Given: $\odot O$
$\overline{OB}$ is not an altitude

Prove: $\overrightarrow{OB}$ does not bisect $\angle AOC$

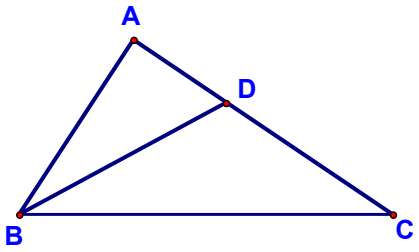


Statements	Reasons

11.

Given: $\overrightarrow{BD}$ bisects $\angle ABC$
$\angle ADB$ is acute

Prove: $\overline{AB}$ is not $\cong \overline{BC}$

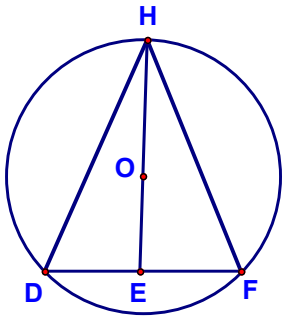


Statements	Reasons

12.

Given: $\odot O$
$\overline{HE}$ is not $\perp$ bis. of $\overline{DF}$

Prove: $\overline{DE}$ is not $\cong \overline{EF}$



Statements	Reasons

13.

Prove that if $\triangle ABC$ is isosceles with base $\overline{BC}$, and if P is a point on $\overline{BC}$ that is not the midpoint, then $\overrightarrow{AP}$ does not bisect $\angle BAC$.

Statements	Reasons