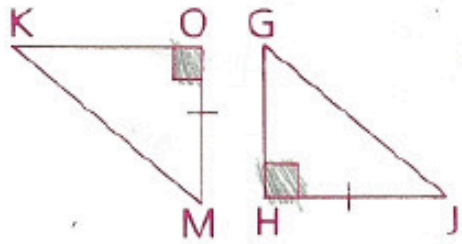
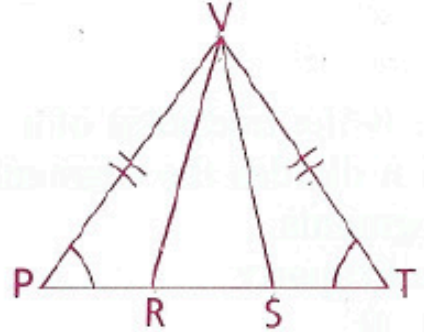
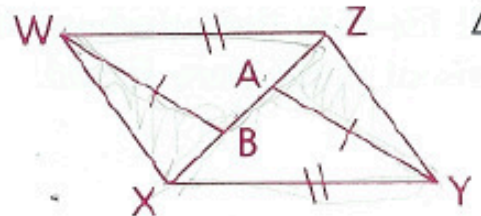


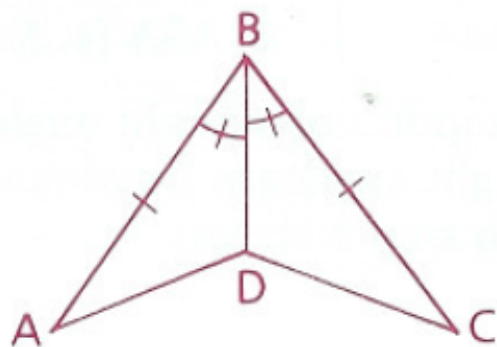
Homework

p. 120: 1, 3, 4, 6, 15

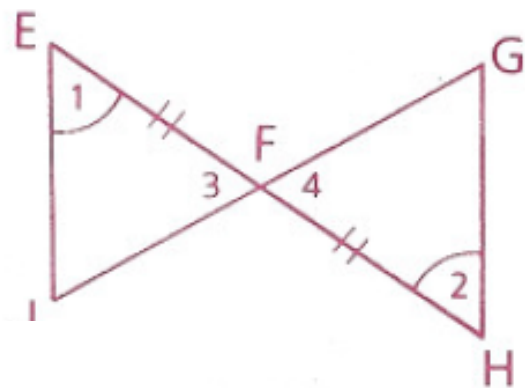
- 1 Study the congruent sides and angles shown by the tick marks, then identify the additional information needed to support the specified method of proving that the indicated triangles are congruent.

	Triangles	Method	Needed Information
a		$\triangle HGJ$ and $\triangle OKM$ SAS ASA	$\frac{?}{?}$
b		$\triangle PSV$ and $\triangle TRV$ SAS ASA	$\frac{?}{?}$
c		$\triangle WBZ$ and $\triangle YAX$ SSS SAS	$\frac{?}{?}$

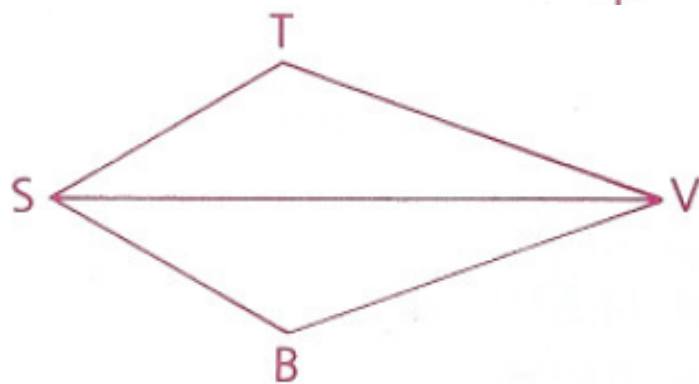
- 3** Given: $\overline{AB} \cong \overline{CB}$,
 $\angle ABD \cong \angle CBD$
 Prove: $\triangle ABD \cong \triangle CBD$



- 4** Given: $\angle 1 \cong \angle 2$,
 $\overline{EF} \cong \overline{HF}$
 Prove: $\triangle EFJ \cong \triangle HFG$



- 6** Given: \overrightarrow{SV} bisects $\angle TSB$.
 \overrightarrow{VS} bisects $\angle TVB$.
 Prove: $\triangle TSV \cong \triangle BSV$



- 15** Given: $\overline{GH} \cong \overline{KJ}$,
 $\overline{HM} \cong \overline{JO}$,
 $\overline{GO} \cong \overline{KM}$
 Prove: $\triangle GOJ \cong \triangle KMH$

