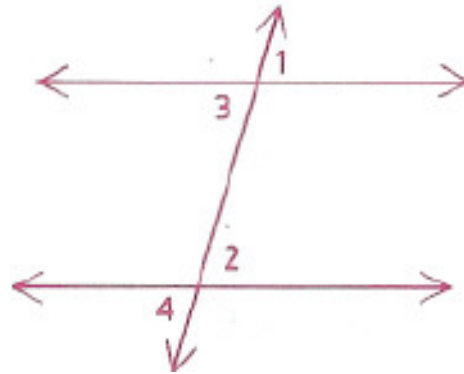


Homework

p. 97-99: 3, 7, 9, 10, 14, 15

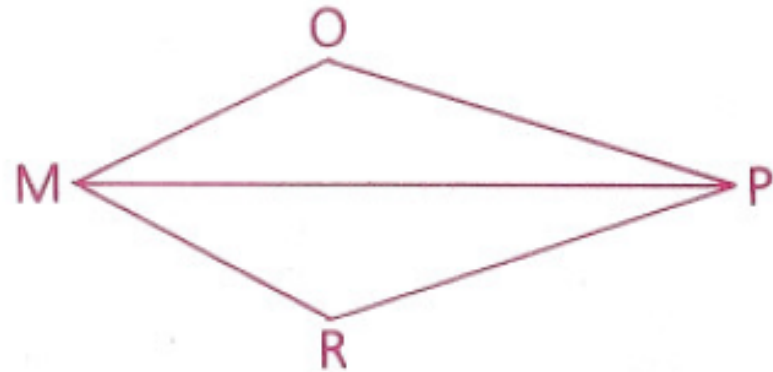
- 3 Given: $\angle 1 \cong \angle 3$,
 $\angle 2 \cong \angle 3$,
 $\angle 2 \cong \angle 4$

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

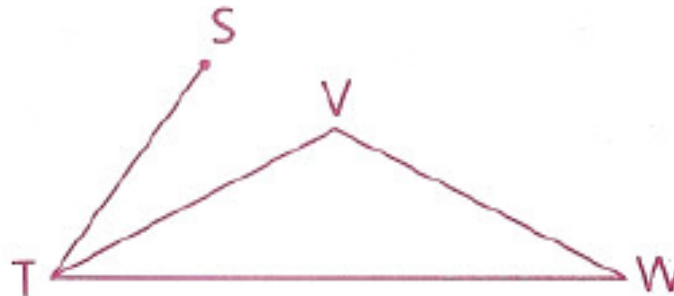


- 7 Given: $\angle OMP \cong \angle RPM$;
 \overrightarrow{MP} bisects $\angle OMR$.
 \overrightarrow{PM} bisects $\angle OPR$.

Prove: $\angle OMR \cong \angle OPR$



- 9 $\angle W \cong \angle STV$;
 \overrightarrow{TV} bisects $\angle STW$.
 $\angle W = (2x - 5)^\circ$,
 $\angle VTW = (x + 15)^\circ$
Find: $m\angle STW$



- 10** Given: $\overline{VW} \cong \overline{RS}$,
 $\overline{XY} \cong \overline{RS}$
Prove: $\overline{VX} \cong \overline{WY}$



- 14** When one-half the supplement of an angle is added to the complement of the angle, the sum is 120° . 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: $\angle A \cong \angle D$

