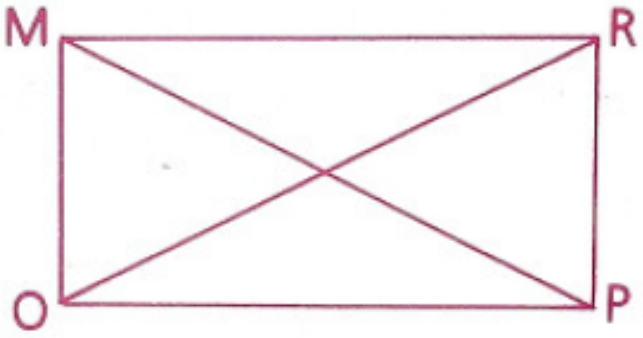
Homework

p. 158: 2, 4, 12
p. 304: 1, 2, 4, 5

p. 158: 2, 4, 12

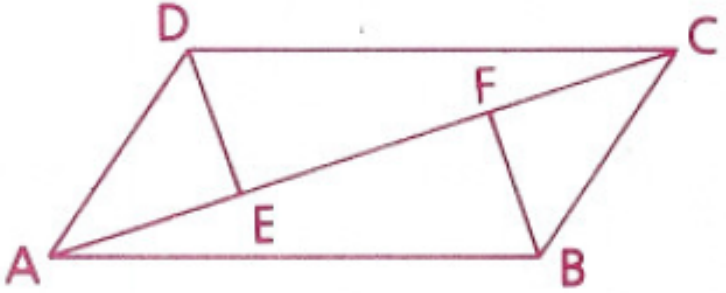
2 Given: $\overline{MO} \perp \overline{OP}$,
$\overline{RP} \perp \overline{OP}$,
$\overline{MP} \cong \overline{RO}$

Prove: $\triangle MOP \cong \triangle RPO$



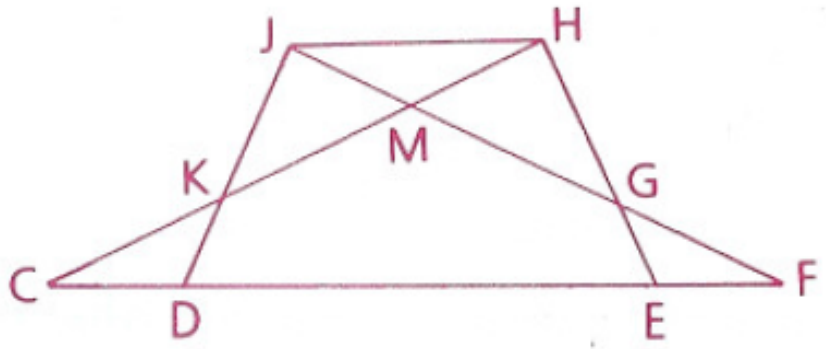
4 Given: $\overline{AE} \cong \overline{CF}$,
$\overline{AB} \cong \overline{CD}$;
$\angle BFA$ is a right angle.
$\angle DEC$ is a right angle.

Prove: $\angle CDE \cong \angle ABF$



12 Given: $\overline{CD} \cong \overline{EF}$,
$\overline{JF} \perp \overline{JD}$,
$\overline{CH} \perp \overline{HE}$,
$\overline{CH} \cong \overline{JF}$

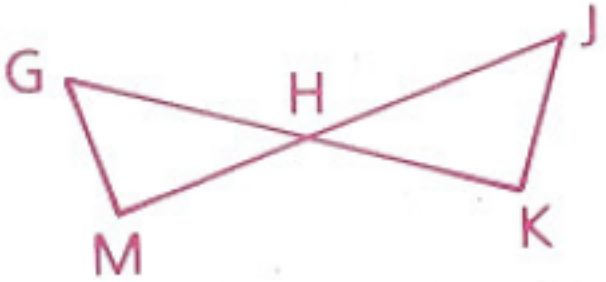
Prove: $\overline{JD} \cong \overline{HE}$



p. 304: 1, 2, 4, 5

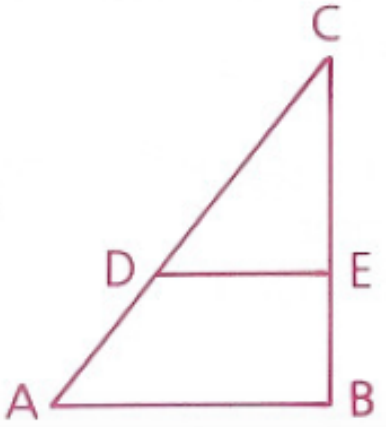
1 Given: $\overline{JM} \perp \overline{GM}$, $\overline{GK} \perp \overline{KJ}$

Conclusion: $\angle G \cong \angle J$



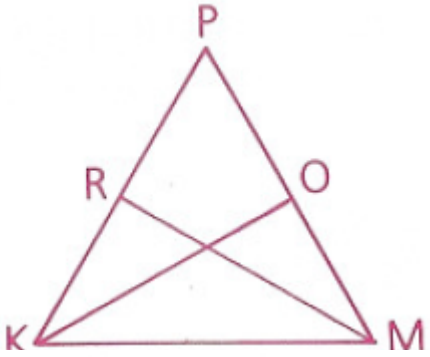
2 Given: $\overline{CB} \perp \overline{AB}$, $\overleftrightarrow{DE} \parallel \overleftrightarrow{AB}$, $\angle CDE = 40°$

Find: $m\angle A$, $m\angle C$, and $m\angle CED$



4 Given: $\overline{MR} \perp \overline{KP}$, $\overline{KO} \perp \overline{PM}$, $\angle RKM \cong \angle OMK$

Prove: $\triangle RKM \cong \triangle OMK$



5 Given: $\odot O$, $\angle SOV \cong \angle TOW$, $\angle WSO \cong \angle VTO$

Prove: $\overline{SO} \cong \overline{TO}$