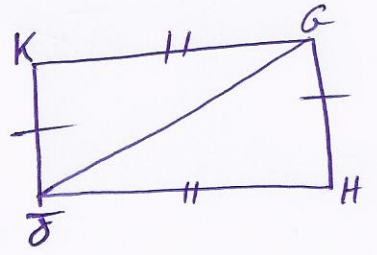


Section 4.3

P238 N^o 24

S	R
$\overline{GH} \cong \overline{JK} ; \overline{HJ} \cong \overline{KG}$	Given
$\overline{JG} \cong \overline{JG}$	Reflex. prop. of \cong
$\triangle GHJ \cong \triangle JKG$	SSS Post.



27)

S	R
$\overline{FM} \cong \overline{FN} ; \overline{DM} \cong \overline{HN}$ $\overline{EF} \cong \overline{GF} ; \overline{DE} \cong \overline{HG}$	Given
$\overline{MN} \cong \overline{NM}$	Reflex. prop. of \cong
$FM = FN, DM = HN, EF = GF$	Def. of seg. \cong
$FN + EF = GF + FN ; DM + MN = HN + MN$	addition prop. of =
$EF + FN = GF + FM$	substitution prop. of =
$DM + MN = HN + NM$	of =
$EN = GM ; DN = HM$	seg. add. prop.
$\overline{EN} \cong \overline{GM} ; \overline{DN} \cong \overline{HM}$	Def. of seg. \cong
$\triangle DEN \cong \triangle HGM$	SSS Post.

