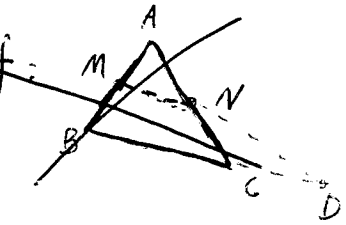
Sec 4.2

Problem 1.

Sol: Can BC be large enough?

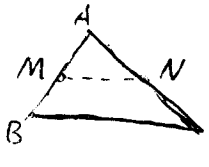
Problem 11:

Proof:



~~If $\triangle AMN \# BC$, then~~

Proof:



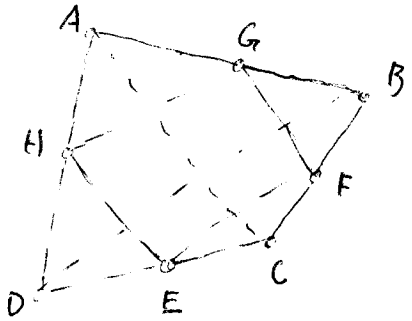
By similarity.

Problem 13:

Proof: Let two diagnals as x and y (in length).

then (each side)$^2 = (\frac{x}{2})^2 + (\frac{y}{2})^2$

Problem 22:



Proof: $\begin{cases} HG \parallel DB \parallel EF \\ GF \parallel AC \parallel EG. \end{cases}$