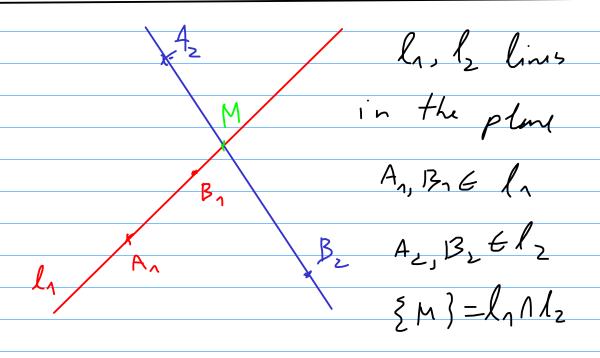
Seminar WZ -915

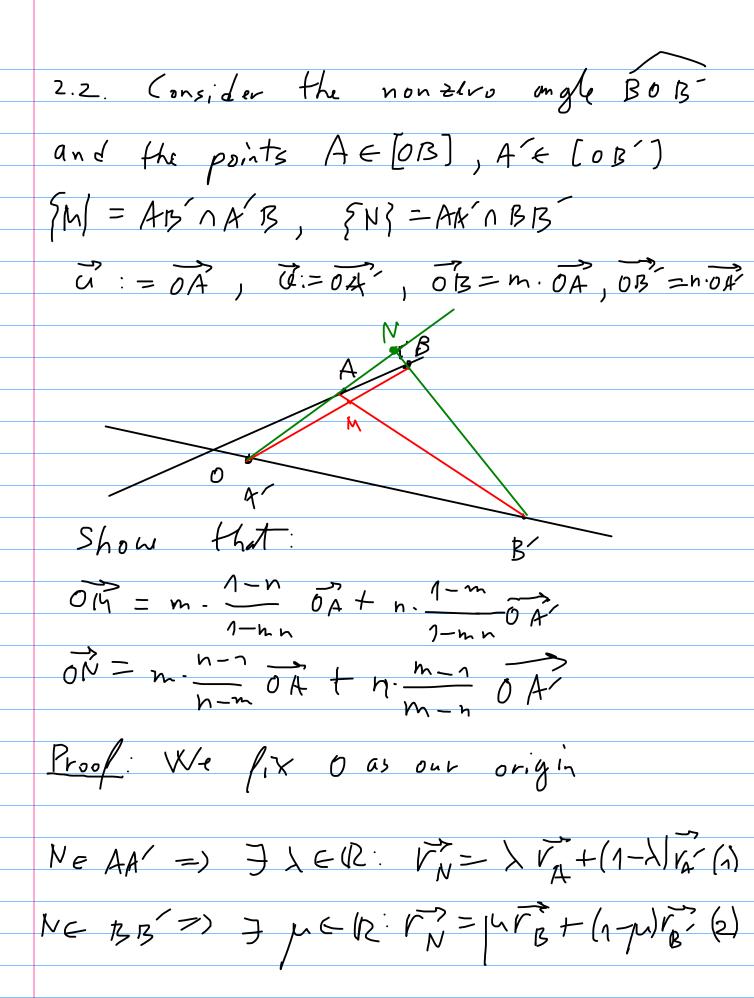


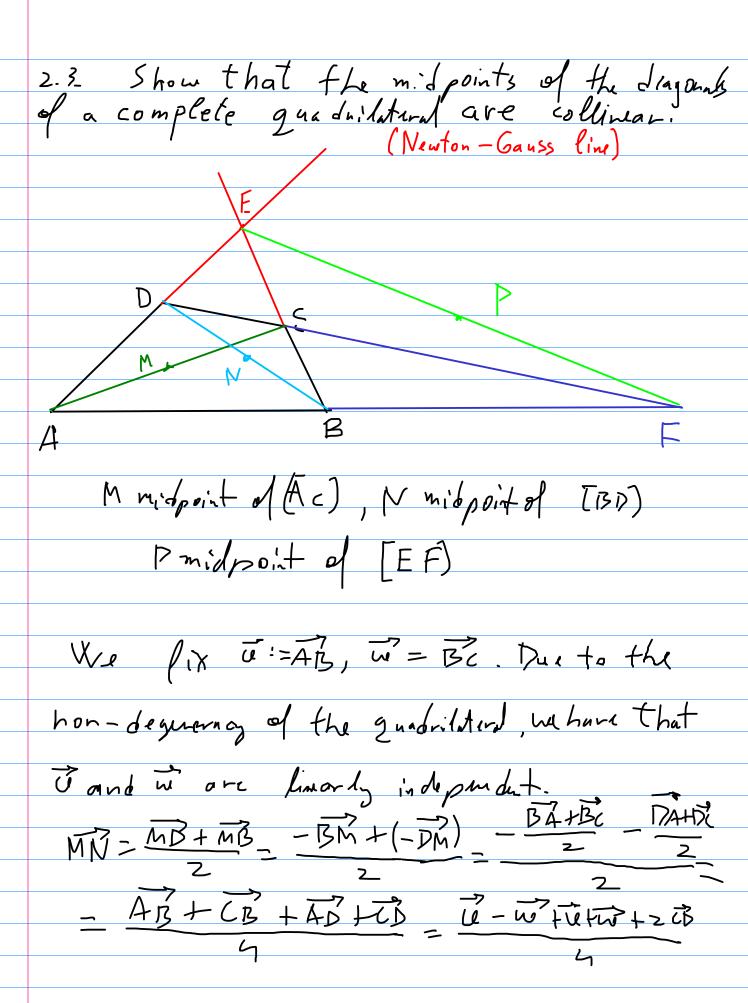


Template for proofs

Step 1: Write Mas a point on la andlz M+ (1 =)]) + (1-x) (1) Melz => 3 | ME (R: 1 = MT7+(1-MTB2/2) => > rat (1->) ra = prat (1-p) raz Step 2: We find two vectors of and w in the plane that are linearly independent (duays, no matter the reference point) Step 3: Write FAN, FBN FAL, FBZ as linear combinations of 4 and w

(c)
$$\overrightarrow{r}_{H} = \frac{(\tan A) \overrightarrow{r}_{A} + (\tan B) \overrightarrow{r}_{B} + (\tan C) \overrightarrow{r}_{C}}{\tan A + \tan B + \tan C}$$
 $(d) \overrightarrow{r}_{O} = \frac{(\sin 2A) \overrightarrow{r}_{A} + (\sin 2B) \overrightarrow{r}_{B} + (\sin 2C) \overrightarrow{r}_{C}}{\sin 2A + \sin 2B} \xrightarrow{BD} \xrightarrow{B$





$$\frac{3}{3} + \frac{3}{2} = \frac{3}{2}$$

$$\frac{3}{3} - \frac{3}{3}$$

$$\frac{3}{3} - \frac{3}{3}$$

$$\frac{3}{3} - \frac{3}{2}$$

$$\frac{3}{3} -$$

We discribe D as the intersection between the lines AE and FC By using the tamplate us will find \$3D in terms of BAIBE, BF, BC and then in terms of i and w

