Subject: Session 8 Problems

Year. Month. Date. ( )

$$P_1P_2 \times P_1P_3 = \begin{vmatrix} i & j & k \\ -1 & +1 & 0 \\ 0 & +1 & -1 \end{vmatrix} = i\begin{vmatrix} 1 & 0 \\ 1 & -1 \end{vmatrix} - j\begin{vmatrix} -1 & 0 \\ 0 & -1 \end{vmatrix} + k\begin{vmatrix} -1 & +1 \\ 0 & +1 \end{vmatrix}$$

$$= -i - j - k \Rightarrow |N| = \sqrt{3}$$

$\Rightarrow$ 평면의 방정식 $N \cdot \overrightarrow{P_1P} = 0 \Rightarrow x + y + z = 2$