1) We claimed that a $\pi/N$ symmetric laminate was thermally isotropic for $N \geq 2$. Choosing graphite/epoxy from the standard list of PROMAL, demonstrate that the thermal expansion coefficients for $N=2$ and $N=3$ are the same. Rotate the $N=2$ laminate $45^\circ$ and calculate the coefficients; are they the same? Summarize the results in a table. (8 pts)

2) Use glass/epoxy properties listed in the standard PROMAL data base. Using the class example given for two stacked sublaminates which combine to give one laminate and with layer thickness $t=0.3 \text{ mm}$, plot the value of $B_{16}$ against $\theta$. Hand in your spread sheet or computer program with the plot. (8 pts)