Write the following functions in terms of the elementary symmetric functions

$$
\begin{gathered}
\left(u_{1}+u_{2}\right)\left(u_{1}+u_{3}\right)\left(u_{3}+u_{2}\right) \\
u_{1}^{3}+u_{2}^{3}+u_{3}^{3}+u_{4}^{3}
\end{gathered}
$$

Please explain your reasoning and solution in as much detail as possible. Thank You.

