b] The dual basis of the basis $1, x-5, \ldots, (x-5)^m$ of $P_m(\mathbb{R})$ is $\ell_0, \ell_1, \ldots, \ell_m$, where $\ell_j(p) = \frac{p^{(j)}(5)}{j!}$. Here $p^{(j)}$ denotes the j^{th} derivative

Similar procedure to previous question.