1. 請框出答案. 2. 禁止作弊!

1. Find the least squares approximating polynomial of degree 2 for the function $f(x) = e^x$ on the interval $[0, 2]$.

   Answer:

   仿照 Quiz 4 的作法手算矩陣乘法得到 $1.459x^2 + 0.08208x + 1.167$