1. Let $f(x)=e^{x}$
(a) Find $P_{5}(x)$, the Maclaurin polynomial of degree 5 at $x=0$
(b) Use your Maclaurin polynomial to approximate $e^{1}$
2. Let $f(x)=\cos (x)$
(a) Find $P_{8}(x)$, the Maclaurin polynomial of degree 8 at $x=0$
(b) Use your Maclaurin polynomial to approximate $\cos (2)$
