Worksheet \#12
(1) Find the Mclaurin series for $f(x)=e^{-2 x}$.
(2) Find the Mclaurin series for $f(x)=\sqrt{1-x}$.
(3) Find the $4^{\text {th }}$ degree Taylor polynomial of $f(x)=\frac{1}{x}$ centered at $a=-3$. Give a bound for the error.
(4) Find the Taylor series of $f(x)=x-x^{3}$ centered at $a=2$ and the radius of convergence.

