9.10 Taylor and Maclaurin Series

Name: Date: July 30, 2015

P 2. Find the Maclaurin series of $f(x) = e^{-4x}$.

P 4. Find the Taylor series of $f(x) = \sin x$ centered at $\pi/4$.

P 6. Find the Taylor series of $f(x) = 1/(1-x)$ centered at 2.

P 8. Find the Taylor series of $f(x) = e^x$ centered at 1.

P 9. Find the Maclaurin series of $f(x) = \sin 3x$.

P 60. Use series representation to find the limit.

$$\lim_{x \to 0} \frac{e^x - 1}{x}$$