

# 9.7 Taylor Polynomials and Approximations

Name:

Date: July 29, 2015

**P 14.** Find the 5th Maclaurin polynomial for

$$f(x) = e^{-x}$$

**P 16.** Find the 4th Maclaurin polynomial for

$$f(x) = \cos \pi x$$

**P 25.** Find the 3rd Taylor polynomial for

$$f(x) = 2/x$$

centered at 1.

**P 30.** Find the 2nd Taylor polynomial for

$$f(x) = x^2 \cos x$$

centered at  $\pi$ .