

Quiz 2

Name: _____

Math 4548

January 27, 2014

1. (3 points). Given a function f whose first n derivatives exist at $x = x_0$ what is the formula for its Taylor polynomial $P_n(x)$ of degree n at $x = x_0$:

$$P_n(x) =$$

2. (2 points). Suppose $f(x) = x^3$. What is its Taylor polynomial of degree 3 at $x = 1$?