

Name _____

Quiz #4

MATH 105 – Amber Buntin - Fall 2015

1. (3 points) Compute $f'(x)$ given

$$f(x) = 3x^4 + \sqrt{x} - \frac{6}{x^5} - \pi$$

2. (7 points) Given $y = 2x^4 + 5x^3 - 3x^2 + 4x - 2$

a. compute y' and simplify completely

b. find the **equation** of the tangent line at $x = 1$ in slope intercept form.