

ESP Quiz 5 (Kouba)

Please PRINT your name here : _____

This quiz is due next Tuesday at the beginning of ESP.

1.) (10 pts. each) Differentiate each function. DO NOT SIMPLIFY ANSWERS.

a.) $y = \tan^4(\csc(\cos 4x))$

b.) $y = 3 + \sqrt{\frac{x}{4-x}}$

2.) (10 pts.) Solve $f'(x) = 0$ for x .

a.) $f(x) = x^{10}(5x - 11)^4$

b.) $f(x) = \sin x - (1/2)x$ for x in $[0, 2\pi]$