

3450:221 Calculus, Kreider

Name: _____

Quiz 17, section 4.9

1. (3 pts) Find the function $f(x)$ if $f'(x) = 2 \cos x + 3 \sin x$ and $f(0) = 4$

2. (4 pts) Find the function $f(x)$ if $f'(x) = \frac{2}{1+x^2} + \frac{5}{7}x^{5/7}$ and $f(0) = 2$

3. (3 pts) Find the function $f(x)$ if $f'(x) = e^x + 2 + \frac{3}{x}$ and $f(1) = 6$