

SEMESTER 152

QUIZZ 4

Name

ID

1. $F(x) = xf(g(x^2))$, $g(4) = 2$, $g'(4) = -3$, $f(2) = 1$, $f'(2) = -2$, $f'(4) = -6$, find $F'(2)$

2. $y = \log_5(xe^x)$, find y'

3. $y = \sec^{-1}(2x)$, find $y'(\frac{1}{\sqrt{2}})$