

Math 212: Quiz 3

Name: _____

1) Use appropriate differentiation rules to find $f'(x)$. Do not simplify your answer.

$$f(x) = (x^2 - 3x + 1) \left(1 - \frac{2}{x}\right)$$

2) Use *limit* to calculate $f'(4)$ where $f(x) = \sqrt{x}$.

3) Find the equation of tangent line to the graph of $f(x) = \sqrt{x}$ at the point $(4, 2)$.