

## MAT 136 (Calculus I), Quiz 4, Prof. Jim Swift

No notes, no computers. You may consult neighbors. Name: \_\_\_\_\_

Use a complete sentence for your answers, for example  $f'(x) = \dots$ .

1. Find the derivative of  $f(x) = 3x^2 - 5x + 6$

2. Find the derivative of  $g(x) = \frac{1}{x^2} - 4\sqrt{x}$

3. Let  $f(x) = x^3 - x$ . Find an equation of the tangent line to  $y = f(x)$  at  $x = 2$ .

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