

Mathematics 122 Quiz #24

Name: _____

Compute the following derivatives:

1. $y = -3x^4 + 2x^3 - 4x^2 + 5x - 19$

$y' =$

2. $R(q) = 5q - .001q^{10}$

$R'(q) =$

3. $y = 5\sqrt{x} - \frac{2}{x^3}$

$y' =$

4. Find the equation of the tangent line to $y = x^3 - 3x^2 + 2x - 4$ at the point where $x = -2$.
