

Mathematics 122

Quiz #14

Name: _____

(1) Compute the following derivatives.

(a) $y = 3x^4 - 7x^2 + 4x - 9$

$y' =$ _____

(b) $C = \pi^2 + 3\sqrt{q} - \frac{3}{2q^2}$

$\frac{dC}{dq} =$ _____

(2) Find the tangent line to $y = 4x - x^2$ at the point where $x = 1$.
