Mathematics 122

Quiz #7 Name: _____

(1) In the figure at which points is the derivative

Positive _____

Negative _____

Zero _____

(2) For the function $f(x) = x(1.3)^x$

(a) Find the value of the function at $x = 2$. This if $f(2)$

$f(2) =$ _____

(b) Find the derivative $f'(2)$.

$f'(2) =$ _____

(c) Find the equation of the tangent line to $y = f(x)$ at the point where $x = 2$

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