

Name: _____

MA 2310: Quiz 5

Show all work for credit.

1. Compute the third derivative of $f(x) = e^{2x} - x^3$
2. Compute the second derivative of $f(x) = \sin^{-1}(x)$
3. Find the equation of the line tangent to $f(x) = x^3 - x$ at $x = 2$.
4. Find the equation of the line tangent to $f(x) = \sin^{-1}(x)$ at $x = 1$.