Quiz 7

Name:

1. Compute the first derivative of each of the following functions:

(a) $f(x) = \ln\left(x^4 + 2x^2 + 1\right)$

(b) $f(x) = e^{5x}\cos(x^3)$

(c) $f(x) = \arctan\left(\dfrac{4x - 1}{4x + 1}\right)$