Quiz 2
Math 102, Term 171

NAME:

ID:

Problem 1. Find the equation of the tangent line of $f(x) = \int_{x-1}^{2x^2+1}(t - \sqrt{9 - t^2})$ at $x = 1$.

Problem 2. Find the displacement during the time interval $0 \le t \le 3$ of a particle moving according to the acceleration function $a(t) = 2t - 1$, knowing that $v(0) = -2$