

Math 126: Calculus II
Quiz 11 *November 30, 1999*

Name: _____
Section: _____

Consider the curve parameterized by $x = t^2$, $y = t(t + 1)$, $-2 \leq t \leq 2$.

1. Sketch the curve, indicating the initial and terminal points, and any x or y intercepts.

2. Determine the equation for the tangent line at the point $(1, 0)$ and include its graph in your sketch above.

3. Find the Cartesian equation for the curve and put in it the form of a quadratic equation, $Ax^2 + Bxy + Cy^2 + Dx + Ey + F = 0$.