Name: _____

Math 124 Quiz 3
1 November 2001

Instructions: No notes or calculators allowed. Please turn off all cell phones and pagers. Make sure you do both sides of this.

1. (6 points) Compute the following, simplifying your answers as much as possible:

   (a) $\dfrac{d}{d\theta}(\cos\theta \tan\theta)$

   (b) $\left(\dfrac{x^2 + 5x - 1}{x^2}\right)'$

2. (4 points) Find the equation of the line tangent to the curve $y = \pi x e^x$ at the point $(0,0)$.