Math 307 I, Spring 2017	Quiz 1	Page 1 of 1
Your Name	Student ID #	

1. Compute $\int x \cos x \, dx$.

2. Compute $\int \frac{t^2}{t^2-1} dt$.

3. Solve the differential equation

 $y' = \cos x \sec y, \qquad y(0) = \pi/4.$

Is your solution **implicit** or **explicit**?