

## Math 344 Quiz 2

Names: \_\_\_\_\_

1. Simplify  $\delta(t - a) * f(t)$ .

2. Solve  $y'' - y = 0$  using series

**3.** Simplify  $t^n * t^m$  where  $n$  and  $m$  are positive integers.

**4.** Solve  $tf(t) = 3 \int_0^t f(t-x) dx$ .