

**Math 125 Worksheet #7**  
**July 26, 2007**

1. Evaluate the following integrals using methods from §7.2 & 7.3.

(a)  $\int \frac{\tan x}{\sec^2 x} dx$

(b)  $\int t^3 \sqrt{4 - t^2} dt$

(c)  $\int_{-3}^0 \frac{x^3}{\sqrt{x^2 + 9}} dx$

(d)  $\int \frac{dx}{\sqrt{(x - 2)^2 - 16}}$