Ex5
a) 
$$\int \frac{1}{3} (x) y(x) dx = \int y(x) dy(x) = \frac{y^2(x)}{2} + C$$
b)  $\int \frac{1}{3} (x) y(x) dx = \int y(x) dy(x) = \frac{y^2(x)}{2} + C$ 
c)  $\int \frac{1}{3} (x) (u(x))^n dx = \int \frac{1}{3} (u(x))^n du(x) = \frac{u^{n+1}(x)}{5} + C$ 
d)  $\int \frac{1}{3} \frac{1}{3} (x) dx = \int \frac{1}{3} \frac{1}{3} (u(x))^{-\frac{7}{2}} du(x) = \int \frac{1}{3} \frac{1}{3} \frac{1}{3} dx = \int \frac{1}{3} \frac{1}{3} \frac{1}{3} (u(x))^{-\frac{7}{2}} du(x) = \int \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} dx = \int \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} dx = \int \frac{1}{3} \frac{1$ 

e) 
$$\int y'(x)(1+\tan^2y(x))dx \leq \int (1+\tan^2y(x))dy(x) \leq \tan y(x)+C$$