MATH-166
Calculus II

Name: _____

Carefully observe each of the integrals and evaluate them using whatever method you feel is appropriate, you may assume v not a function of x:

1. $\int (x+2)(x+1)^{1/4} dx$

2. $\int \frac{\sec^2(\sqrt{x})}{\sqrt{x}} dx$

3. $\int \sec(x)\tan(x)(\sec(x)-1) dx$

4. $\int e^{14x-7} dx$

5. $\int_0^{\pi/2} \cos^3(x)\sin(x) dx$

6. $\int \frac{dx}{(1+\sqrt{x})^3}$

7. $\int e^{-v^2} dx$