

AP Calculus AB  
Integration Practice Worksheet

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1) $\int \sec^2 x \tan x dx$	2) $\int (x^2 + 1)\sqrt{1 + 3x + x^3} dx$
3) $\int \frac{x^2}{\sqrt{5+x^3}} dx$	4) $\int x \cos(x^2) \sin^3(x^2) dx$
5) $\int_1^4 \frac{e^{\sqrt{t}}}{\sqrt{t}} dt$	6) $\int_0^{\pi/2} \sin^5 t \cos t dt$
7) $\int \sec 2\theta \tan 2\theta d\theta$	8) $\int \cos^4 \theta \sin \theta d\theta$