

## 7.6: Tables $\Sigma$ CAS

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ex1:  $\int \tan^3(\pi x) dx$  (#69)  $u = \pi x$

ex2:  $\int \frac{12(1+\sqrt{x})}{\sqrt{x}} dx$  (#100)  $u = 1+\sqrt{x}$

ex3:  $\int \sin^{-1}(\sqrt{x}) dx$  (#90)  $u = \sqrt{x}$

ex4:  $\int y \sqrt{6+4y-4y^2} dy$  (#30)

complete the square  
split the integral.

ex5:  $\int x^4 e^{-x} dx$  (#97)

(CAS) integrals.wolfram.com