20181018d MT105a 04 Standard integrals

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### Standard integrals

library(Ryacas)  
library(mosaic)

### Int x^n == x^(n+1) / (n+1) + c

x = Sym('x')  
Integrate(x^5,x)

## expression(x^6/6)

### Int 1/x == ln(x) + c

Integrate(1/x,x)

## expression(log(x))

### Int exp(x) == exp(x) + c

Integrate(exp(x),x)

## expression(exp(x))

### Int sin(x) == -cos(x) + c

Integrate(sin(x),x)

## expression(-cos(x))

### Int cos(x) == sin(x) + c

Integrate(cos(x),x)

## expression(sin(x))