A table of derivatives and anti-derivatives

This example is based upon a nice example in the Pythontex gallery, see https://github.com/gpoore/pythontex/. It uses a tagged block to capture the Sympy output for later use in the body of the LaTeX table.

```python
from sympy import *

var('x')

# Create a list of functions to include in the table
funcs = [['sin(x)',r'\\'],       ['cos(x)',r'\\'],       ['tan(x)',r'\\'],
         ['asin(x)',r'\\[5pt]'], ['acos(x)',r'\\[5pt]'], ['atan(x)',r'\\[5pt]'],
         ['sinh(x)',r'\\'],      ['cosh(x)',r'\\'],      ['tanh(x)',r' ']]

# pyBeg (CalculusTable)
for func, eol in funcs:
    myddx = 'Derivative(' + func + ', x)'
    myint = 'Integral(' + func + ', x)'
    print(latex(eval(myddx)) + '&=' + latex(eval(myddx + '.doit()')) + r'\quad & \quad')
    print(latex(eval(myint)) + '&=' + latex(eval(myint + '.doit()')) + eol)
# pyEnd (CalculusTable)
```

```latex
\begin{align*}
   \py {CalculusTable}
\end{align*}
```

$$\frac{d}{dx}\sin\left(x\right)=\cos\left(x\right) \qquad \int\sin\left(x\right)dx=-\cos\left(x\right)$$

$$\frac{d}{dx}\cos\left(x\right)=-\sin\left(x\right) \qquad \int\cos\left(x\right)dx=\sin\left(x\right)$$

$$\frac{d}{dx}\tan\left(x\right)=\tan^{2}\left(x\right)+1 \qquad \int\tan\left(x\right)dx=-\log\left(\cos\left(x\right)\right)$$

$$\frac{d}{dx}\operatorname{asin}\left(x\right)=\frac{1}{\sqrt{1-x^{2}}} \qquad \int\operatorname{asin}\left(x\right)dx=x\operatorname{asin}\left(x\right)+\sqrt{1-x^{2}}$$

$$\frac{d}{dx}\operatorname{acos}\left(x\right)=-\frac{1}{\sqrt{1-x^{2}}} \qquad \int\operatorname{acos}\left(x\right)dx=x\operatorname{acos}\left(x\right)-\sqrt{1-x^{2}}$$

$$\frac{d}{dx}\operatorname{atan}\left(x\right)=\frac{1}{x^{2}+1} \qquad \int\operatorname{atan}\left(x\right)dx=x\operatorname{atan}\left(x\right)-\frac{\log\left(x^{2}+1\right)}{2}$$

$$\frac{d}{dx}\sinh\left(x\right)=\cosh\left(x\right) \qquad \int\sinh\left(x\right)dx=\cosh\left(x\right)$$

$$\frac{d}{dx}\cosh\left(x\right)=\sinh\left(x\right) \qquad \int\cosh\left(x\right)dx=\sinh\left(x\right)$$

$$\frac{d}{dx}\tanh\left(x\right)=1-\tanh^{2}\left(x\right) \qquad \int\tanh\left(x\right)dx=x-\log\left(\tanh\left(x\right)+1\right)$$