List of Integrals

1. 
$$\int a \, dx = ax + c$$
,  $a \in \mathbb{R}$ 

2.  $\int x^n \, dx = x^{n+1} + c$ ,  $n \neq -1$ 

3.  $\int x^{-1} \, dx = \ln |x| + c$ 

4.  $\int e^{kx} \, dx = e^{kx} + c$ 

5.  $\int a^x \, dx = a^x + c$ 

6.  $\int cosx \, dx = sinx + c$ 

7.  $\int sinx \, dx = -cosx + c$ 

8.  $\int sec^2 x \, dx = tanx + c$ 

9.  $\int secx \, dx = sinx + c$ 

10.  $\int secx \, dx = sinx + c$ 

11.  $\int \csc x \, dx = -\ln|\csc x + \cot x| + C$