Some Formulas of integration

- $$\int 1\, dx = x + c$$

- $$\int x\, dx = \frac{x^2}{2} + c$$

- $$\int x^n\, dx = \frac{x^{n+1}}{n+1} + c$$

- $$\int e^{mx}\, dx = \frac{e^{mx}}{m} + c$$

- $$\int \sin x\, dx = -\cos x + c$$

- $$\int_0^1 1\, dx = [x]_0^1 = 1 - 0 = 1$$