

- $\int_0^1 x^2 dx = \frac{1}{3}$
- $\int_0^1 x dx = \frac{1}{2}$
- $\int_0^1 x^3 dx = \frac{1}{4}$
- $\int_0^1 x^4 dx = \frac{1}{5}$
- $\int_0^1 x^5 dx = \frac{1}{6}$

- $\int_0^1 x^6 dx = \frac{1}{7}$
- $\int_0^1 x^7 dx = \frac{1}{8}$