

(9) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(10) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(11) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(a) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(b) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(c) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(d) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(e) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(f) $\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$ $\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$ $\sum_{k=1}^n k^4 = \frac{n(n+1)(2n+1)(3n^2+3n-1)}{30}$

(10) $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$

(11) $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$

(12) $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$

(13) $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$

(14) $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$

(15) $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$

3. $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$ $\int_{\mathbb{R}^n} f(x) dx = \int_{\mathbb{R}^n} f(x) dx$