

$$\sum_{k=1}^{n} c = cn$$

$$\sum_{k=1}^{n} k = \frac{n(n+1)}{2}$$

$$\sum_{k=1}^{n} k^{2} = \frac{n(n+1)(2n+1)}{6}$$

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

$$\sum_{k=0}^{n} ar^{k} = \frac{ar^{(n+1)} - a}{r-1}$$
 Si  $r \neq 1$ 

$$\sum_{k=0}^{n} ar^{k} = (n+1)a$$
 Si  $r = 1$ 



