

Formula Sheet

$$a_n = a_1 + (n - 1)d$$

$$a_n = a_1 r^{n-1}$$

$$\sum_{k=1}^n a_k = \frac{n}{2}(a_1 + a_n)$$

(a_k is the explicit rule)

$$\sum_{k=1}^n a_k = \frac{a_1(1 - r^n)}{1 - r}$$

(a_k is the explicit rule)

$$\sum_{k=1}^{\infty} a_k = \frac{a_1}{1 - r}$$

(a_k is the explicit rule)