## Formulas

$$S_n = S_0 p^n$$

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

$$S'_n = \frac{n}{2}(2a_1 + (n-1)d)$$

$$I = P \cdot r \cdot n$$

$$A = P + I$$

$$I = P \cdot r_p \cdot n_p$$

$$D = A \cdot r_d \cdot n_d$$

$$N = A - D$$

$$C = P/n$$

$$SI_n = SI_{n-1} - (C + CE_{n-1})$$

$$I_n = SI_n \times r \times p$$

| n | SI | In | CE | C |
|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 |

$$A_t = P(1 + r)^t$$

$$A_t = P(1 + r/n)^{nt}$$