|  |  |  |
| --- | --- | --- |
| Simple Interest: | *I* = Pr*t* | *I* = amount of interest ($)  *P* = amount invested ($)  *r* = annual simple interest rate  *t* = time in years  *A* = amount in the account  (also called future value)  m = number of times a year the  interest is compounded  Annuity: any sequence of payments at  equal time interval  PMT = periodic payment ($)  FV = Future Value ($)  PV = Present Value ($) |
| Simple Interest: | *A* = *P*(1+*rt*) |
| Compound Interest: |  |
| Compound Continuous: |  |
| Annual Percentage Yield: |  |
| Future Value |  |
| Present Value |  |
| Payment needed to amortize a debt |  |
| Interest paid on an Amortized loan | *I* = *mt.PMT* − *PV* |
| Cash Value | Present Value *(PMT)* + down Payment *(if any)* + Trade-in *(if any)* | |
| Equity | Current net market value – Unpaid balance | |