

Simple Interest:	$I = Prt$	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:	$A = P\left(1 + \frac{r}{m}\right)^{mt}$	
Compound Continuous:	$A = Pe^{rt}$	
Annual Percentage Yield:	$APY = \left(1 + \frac{r}{m}\right)^m - 1$	
Future Value	$FV = PMT \frac{\left(1 + \frac{r}{m}\right)^{mt} - 1}{\frac{r}{m}}$	
Present Value	$PV = PMT \frac{1 - \left(1 + \frac{r}{m}\right)^{-mt}}{\frac{r}{m}}$	
Payment needed to amortize a debt	$PMT = PV \frac{\frac{r}{m}}{1 - \left(1 + \frac{r}{m}\right)^{-mt}}$	
Interest paid on an Amortized loan	$I = mt.PMT - PV$	
Cash Value	Present Value (PMT) + down Payment (<i>if any</i>) + Trade-in (<i>if any</i>)	
Equity	Current net market value – Unpaid balance	