$$\cancel{APR} = \left(1 + \left(\frac{i}{P}\right)\right)^{P} - 1$$

Effective Interest

Impact of Foreign Currency ↑↓

US $	A/R	A/P
↑	Loss	Gain
↓	Gain	Loss

GDP

- Govt Purchase
- Investment
- Consumption - Personel
- Exports - Net

Income
- Profits - Corp
- Interest - Net
- Rental
- Adj Net Foreign Inc
- Taxes
- Employer Wage
- Depreciation

GNP = All Domestic Production regardless of owner

Leverage

$$DOL = \frac{\%\Delta EBIT}{\%\Delta Sales}$$

$$DFL = \frac{\%\Delta EPS}{\%\Delta EBT}$$

$$\text{Total Leverage} = \frac{\%\Delta EPS}{\%\Delta Sales} \quad \text{aka } DOL \times DFL$$

$$CAPM = R + \beta(M - R)$$

$$ROI = \frac{\text{Income}}{\text{Investment}} \quad \text{or} \quad ROI = \text{Profit Margin} \times \text{Investment Turnover}$$

aka Return on Sale

Discounts

$$\frac{360}{(\text{Pay Period} - \text{Discount Period})} \times \frac{\text{Discount \%}}{(100 - \text{Discount \%})}$$

$$\text{Inventory Conversion Period} = \frac{\text{Avg Inv}}{\text{Avg CoSales per day}}$$

$$\text{Payable Deferral Period} = \frac{\text{Avg A/P}}{\text{Avg Purchases per day}}$$

~~Avg Collection Period =~~

$$EOQ = \sqrt{\frac{2SO}{C}} \qquad \sqrt{\frac{2 \times \text{Annual Sales Units} \times \text{Cost per order}}{\text{Carrying Cost per unit}}}$$

Materials → WIP → FG → CoGS

Begin Balance
Add New Stuff
Subtract Transfers to CoGM/CoGS
Ending Balance

	Units	Costs
FIFO =	% Remaining × Beginning Units Started + Completed % Completed × Ending Units Equivalent units of production →	Current Costs Only / EUP = Cost per unit
Weighted Avg	Completed This Period % Completed × Ending Equivalent units of production →	Beginning + Current Costs / EUP = Cost per unit

Absorbtion = DM + DL + OH (Fixed + Var) = GAAP

Variable = DM + DL + VOH = not GAAP

↔ = Absorb NI = Var NI
↑ Inv = Absorb NI > Var NI
↓ Inv = Absob NI < Var NI

DM + DL Variance

P ← Diff Actual
U ← Diff Standard

AQ×AP — AQ×SP: Price

AQ×SP — SQ×SP: Usage

R ← DA
E ← DS

S − A = D

AH×AR — AH×SR — SH×SR: Rate | Efficiency

Price
Usage
Rate
Efficiency

Standard
Actual
Difference

OH Variance

Actual — Applied (Actual Hours × (FOH + VOH) per hour)

Actual — BFOH + (Std H × S VOH) — Applied: Budget | Volume (aka (Budget Vol − Act Vol) × FOH per unit)

Actual — BFOH + (A H × S VOH) — Applied: Spending | Efficiency | Volume (same)

F = Fixed
V = Variable
B = Budgeted
OH = overhead