HP-41C Real Estate Pac Quick Reference Card

Compound Interest and Loan Amortization: \$

MINIMUM SIZE: 013

Multiplies display by 12

and stores in N.

Divides display by 12 and

stores in I.

Toggles between **BEGIN**

and **END**.

D List values.

Clear financial registers.

A Compute or store N.

B Compute or store I.

Compute or store PV.

D Compute or store PMT.

E Compute or store FV.

Amortization schedule.

Internal Rate of Return: IRR

Modified Internal Rate of

Return: MIRR

Net Present Value: NPV

MINIMUM SIZE: 025

GROUPS? Are the cash flows to be

entered as groups?

CF (#)=? What is the amount of the

cash flow? Use sign

convention.

NO. CFS (#)=? How many cash flows?

CF CHANGES? Do you wish to review or

change any cash flows?

What is the safe liquid rate

of return (in percent)?

What is the "risky" rate of

return (in percent)?

DSCNT RATE=? What is the discount rate

(in percent)?

Depreciation Schedules: DEPR

MINIMUM SIZE: 018

SAFE RATE=?

RISK RATE=?

DEP AMT=? Depreciable amount.

LIFE=? Expected useful life (in

years).

SALVAGE=? Salvage value.

MONS YR 1=? Number of months to end

of the first year.

First year for schedule. START PER=? Last year for schedule. **END PER=? DEP TYPE?** SL for straight line. SOYD for sum-of-theyears'-digits. DB for declining balance. Declining balance factor DB%=? (in percent). Is cross-over to straight X-OVER? line desired? Income Property Analysis: IPA MINIMUM SIZE: 052 PROJ PER=? Projected number of holding periods (in years). Annual appreciation rate APPREC%=? of investment (in percent). Annual growth applied to GROWTH%=? income (in percent). Annual gross income. GROSS INC=? VACANCY%=? Expected vacancy rate (in percent). Annual increase applied INCREASE%=? to operating expenses and capital improvements (in percent). Expected annual OP EXP=? operating expenses (in dollars). 1ST MTG=? Amount of first mortgage.

INT%=?	Annual interest rate of first mortgage (in percent).
TERM=?	Total term (in years) of first mortgage.
<i>PMT=?</i>	Level monthly payment of first mortgage.
2ND MTG=?	Amount of second mortgage.
INT%=?	Annual interest rate of second mortgage (in percent).
TERM=?	Total term (in years) of second mortgage.
<i>PMT=?</i>	Level monthly payment of second mortgage.
3RD MTG=?	Amount of third mortgage.
INT%=?	Annual interest rate of third mortgage (in percent).
TERM=?	Total term (in years) of third mortgage.
<i>PMT=?</i>	Level monthly payment of third mortgage.
BLD DEP=?	Depreciable value of building.
LIFE=?	Life (in years) of building.
FACTOR=?	Depreciation factor (in percent).

Depreciable value of PER PROP=? personal property. Life (in years) of personal LIFE=? property. Depreciation factor (in FACTOR=? percent). PRICE=? Purchase price. Original tax basis. BASIS=? CAP IMP=? Annual capital improvements (in dollars). Marginal income tax rate TAX%=? (as percent). CG TAX%=? Capital gains tax rate (as percent). **FULL SCHED?** Do you wish a full schedule including equity vield? Do you wish to list the LIST? variables? Do you wish to review or CHANGE? change any values? TRANS CST%=? Transaction costs as a percent of selling price.

Graduated Payment Mortgage:

GPMT

MINIMUM SIZE: 022

TERM=? Total term of mortgage (in years).

INTEREST%=?	Annual interest rate (in percent).	
LOAN=?	Amount of the loan.	
NO. PMT/YR=?	Number of payments per year.	
% INCR=?	Increase in yearly payment (as percent).	
YRS GRAD=?	Number of years that payments increase.	
Wrap-Around Mortgage: WRAP		
MINIMUM SIZE: 035		
PV 1ST=?	Remaining balance of underlying mortgage.	
TERM 1ST=?	Remaining term of underlying mortgage.	
PMT 1ST=?	Periodic payment of underlying mortgage.	
INT 1ST=?	Periodic interest of underlying mortgage.	
BAL 1ST=?	Balloon payment of underlying mortgage.	
WRAP AMT=?	Amount of wrap-around mortgage.	
WRAP TERM=?	Term of wrap-around mortgage.	
INT WRAP=?	Periodic interest of wraparound mortgage.	
BAL WRAP=?	Balloon payment of wraparound mortgage.	

NO. POINTS=? Number of points charged.

YIELD=? Desired yield.

Home Owner's Equity Analysis:

EQ

MINIMUM SIZE: 021

PRICE=? Price of home.

DOWN PMT=? Amount of down payment

(dollars).

% INT=? Mortgage interest rate

(percent per year).

TERM=? Term of mortgage (in years).

% APPREC=? Yearly appreciation (as percent).

Number of months in first

tax year.

TAXES=? Current property taxes.

% INCREASE=? Percent increase or decrease in taxes each year.

The Rent or Buy Decision: RENT

MINIMUM SIZE: 029

MONS YR 1=?

PRICE=? Price of house.

DOWN PMT=? Amount of down payment (dollars).

% INT=? Mortgage interest rate (percent per year).

Term of mortgage (in TERM=? years). Number of years to occupy NO. YEARS=? house. % APPREC=? Expected house appreciation (percent annually). % COMM=? Percentage commission charged. Closing costs paid on CLOSE COST=? house purchase. TAX RATE=? Marginal income tax rate (in percent). Monthly property taxes. TAXES=? Monthly maintenance and MAINT=? insurance. Monthly rent (alternate RENT=? residence). Annual bank interest rate BANK % INT=? (as percent).

(as percent).

CHANGE? Do you wish to review or

Do you wish to review or change any inputs?



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