

Solving Compound Interest Problems on the TI-83 Graphing Calculator

TVM Solver: We can use the TVM Solver to solve for any variable

in our compound interest formula.

TVM stands for time value money

To get to the TVM Solver press: [APPS] → [ENTER] → [ENTER]

The list of the variables and what each variable represents is below:

*P + I
m*

N	Number of <u>years</u> of investment
I%	Interest rate as a <u>percent</u>
PV	Principle (<u>initial investment</u>)
PMT	Always set to 0 (not used)
FV	<u>Final value</u> of investment
P/Y	Always set to 1 (not used)
C/Y	Number of <u>compounding periods</u> per <u>year</u>

For the solver to work, set PV as negative

To solve for a variable, highlight the variable then press: [ALPHA] → [ENTER]



What is your investment worth if you invested \$2,300 at 3.5% interest compounded quarterly for 5 years?

