Planners solve many different problems

"Can you tell me where to put my money so it would grow rapidly?" is a question most often faced by financial planners. Few people realize, however, that a competent financial planner can solve many different types of financial problems. Here is the technique to solve two of the many types of problems routinely faced.

Most problems require the use of the following tools:

Mit: Periodic payment, typically monthly payment, although monthly payment, although time lump sum investment.

W.Compound value: This is the future value of a fixed sum interested today.

W.Acompound value of an annuity.

An investor who invests may wish to determine the total value at the end of a given period.

AFCompound value annuity factor, Financial tables provide this value for easy problem solving.

Present value. This is the future value of a fixed sum interesting the first deposit beginning at age with the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of the first deposit beginning at age with early of th

Most problems require the use of the following tools:

PMT: Periodic payment, typically monthly payments, although an investor may make a one time lump sum investment.

CV-Compound value. This is the future value of a fixed sum invested today.

CV-A.Compound value of an annulty. An investor who invests funds on an annual basis may wish to determine the total value at the end of a given period.

CV-A.P.Compound value annulty factor. Financial tables provide this value for easy problem.

PV-P.Present value. This is today's value of the incomes they expect to receive over the several years.

PV-A.P.Present value annulty.

Frequently people want to know what is today's value of the incomes they expect to receive over the several years.

PV-A.P.P.Present value annulty factor.

Stage 1

Dunn wants to engage in long-term over \$15,000 per year at an effective stay. \$15,000 per year at an effective stay. \$15,000 per year at an effective year, and he will now end of year per year for the next 30 years at the end of a period to year. Beginning at the end of the year. Beginning at the end of the year. Beginning at the end of the year Beginning at the end of the year. Beginning at the end of the year Beginning at the end of the year. Beginning at the end of the year for the end of the year. Beginning at the end of the year Beginning at the end of the year for the end of the year. Beginning at the end of the year for the end of the year. Beginning at years.

PVAF:Present value annuity factor.
Financial tables provide this

value. Step 2
PVIF:Present value interest factor. The

ments for 15 years, starting with year 36 (age 65) is: PVA = PMT x PVAF = \$30,000 x 8.05069 = \$241,820.7

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The PV of \$241,820.70 at age 60, discounted for 5 years, is: PV = CV x PVIF - \$241,820.70 x .6499315 - \$157,166.90

Therefore, Sam should be able to spend the difference between what he would have at age 60 and the amount he would need to generate curent income starring with age 65.

Amount accumulated by age 60 = \$461,357.00 Amount accumulated by age 50 = \$4524,370.80 S = \$5\$

One of the most challenging prob-lems faced by a financial planner is

the calculation of the present value of a common stock. The stock is attracted in the stock is a tracted in the stock is a tracted in the stock is attracted in the stock is undervalued if it is selling for less than \$35 per share.

This problem requires a four-step solution

Calculate the PV of the stock dur-ing the period when the dividends will grow at 14 percent:

Thus, Martin stock is undervalued if it is selling for less than \$35 per share.

Year	Divs	PVIF	PV
1	\$2.28	.893	\$ 2.04
2	2.60	.797	2.07
3	2.96	.712	2.11
4	3.37	.636	2.14
5	3.85	.567	2.18
	\$10.54		

with dividends growing at 3 percent per year from year 6 until infinity: PV (Year 5) = D5 + r-g where g= growth rate of dividend at 3%

PV of Martin stock (\$44.06) at the end of 5 years should be converted into PV of the stock today: PV (today)= PV (Year 5) + (1 + .12)5 =\$44.05567 =\$24.98

PV of Martin stock is the sum of PVs arrived at in Steps 1 and 3: PV = \$10.54 + \$24.98 = \$35.52

This article may not help you solve your financial problems. But I hope that it will help you select the right financial planner for you.

Sid Mittra is a professor of anagement at Oakland Univer-Step 2 sity and proprietor of Coordinat-Calculate the PV of Martin stock cd Financial Planning.

datebook

 WOMEN'S NETWORK
 Monday, Aug. 8 — "Women and
Self Defense" will be the topic of a
representative of Citizens Against
Crime at the August meeting of the
Michigan Professional Women's Network at 6 p.m. at the Southfield Radisson. Non-member fee: \$23. In-formation: Diane Wilbur, 647-4480.

MARKETING
PROFESSIONALS
Friday, Aug. 12 — "Modern Persuasion Strategies for Sales and Marketing" will be presented 11:30 a.m. at the Radisson Plaza Hotel in Southfield, Non-member fee: \$45. Information: Diane Ohman, 984-3000.

● CAD/CAM ROBOTICS
Sanday-Wednesday, Aug. 14-17 —
Third International conference on
CAD/CAM Pobotics and Factories
of the Future held in Southfield. Information: Prakash Shrivastava,
986-2206. Sponsors: International Soclety for Productivity Enhancement,
Society of Automotive Engineers.

GRE PREPARATION
 Saturdays, Sept. 10 through Oct. 1
 Graduate Records Examination preparation workshops offered beginning at 9 a.m. in Rochester. Fee: \$125. Optional math refresher: \$45. Information: 370-3120.

Come to our 4th ANNUAL TENT SALE! Bring Your Truck It's Ca\$h and Carry! Thursday-Sunday-August 4th, 5th, 6th & 7th Save on Everything in Slock & Mo Layaways 10000 4 Days Only 130 Deliver $\mathbf{A}\mathbf{\Pi}\mathbf{A}$ 169.99

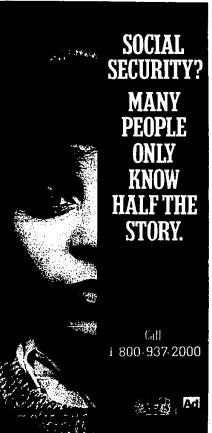


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