

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

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Solution Manual Engineering Economic Analysis

SOLUTIONS TO SELECTED PROBLEMS

Student: You should work the problem completely before referring to the solution.

CHAPTER 1

Solutions included for problems 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46, and 49.

- 1.1 Time value of money means that there is a certain worth in having money and the worth changes as a function of time.
- 1.4 Nearest, tastiest, quickest, cheapest, most scenic, etc.
- 1.7 Minimum attractive rate of return is the lowest rate of return (interest rate) that companies or individuals consider to be high enough to induce them to invest their money.
- 1.10 Rate of increase = $\frac{29 - 22}{22} \times 100 = 31.8\%$
- 1.13 Profit = 8 million $\times 0.28 = \$2,240,000$
- 1.16 (a) Equivalent future amount = $10,000 + 10,000(0.08)$
 $= 10,000(1 + 0.08)$
 $= \$10,800$
- (b) Equivalent present amount: $P = 0.08P = 10,000$
 $1.08P = 10,000$
 $P = 9259.26$
- 1.19 $80,000 + 80,000(i) = 100,000$
 $i = 25\%$
- 1.22 Simple: $1,000,000 = 500,000 + 500,000(1.5)$
 $i = 20\%$ per year simple
- Compound: $1,000,000 = 500,000(1 + i)^2$
 $(1 + i)^2 = 2,000,000$
 $(1 + i) = 1,414.21$
 $i = 41.42\%$
- 1.25 Plan 1: Interest paid each year = $800,000(0.10)$
 $= \$80,000$