2.1 Find the correct numerical value for the following factors from the interest tables.
1. (F/P, 8%, 25)
2. (P/A, 3%, 8)
3. (P/G, 9%, 20)
4. (F/A, 15%, 18)
5. (A/P, 30%, 15)

2.3 Pressure Systems, Inc., manufactures high accuracy liquid level transducers. It is investigating whether it should update certain equipment now or wait to do it later. If the cost now is $200000, what will the equivalent amount be 3 years from now at an interest rate of 10% per year?

2.6 Thompson Mechanical Products is planning to set aside $150000 now for possibly replacing its large synchronous refiner motors whenever it becomes necessary. If the replacement is not needed for 7 years, how much will the company have in its investment set-aside account if it achieves a rate of return of 18% per year?

2.10 What is the present worth of a future cost of $162000 to Corning, Inc., 6 years from now at an interest rate of 12% per year?

2.11 How much could Cryogenics Inc., a maker of superconducting magnetic energy storage systems, afford to spend now on new equipment in lieu of spending $125000 five years from now if the company’s rate of return is 14% per year?

2.15 American Gas Products manufacturers a device called a Can-Emitor that empties the contents of old aerosol cans in 2 to 3 seconds. This eliminates having to dispose of the cans as hazardous wastes. If a certain paint company can save $75000 per year in waste disposal costs, how much could the company afford to spend now on the Can-Emitor if it wants to recover its investment in 3 years at an interest rate of 20% per year?
2.16 Atlantic Metals and Plastic uses austenitic nickel-chromium alloys to manufacture resistance heating wire. The company is considering a new annealing-drawing process to reduce costs. If the new process will cost $1.8 million now, how much must be saved each year to recover the investment in 6 years at an interest rate of 12% per year?

2.20 Under an agreement with the Internet Service Providers (ISPs) Association, SBC Communications reduced the price it charges ISPs to resell its high speed digital subscriber line (DSL) service from $458 to $360 per year per customer line. A particular ISP, which has 20000 customers, plans to pass 90% of the savings along to its customers. What is the total future worth of these savings over a 5-year horizon at an interest rate of 8% per year?

2.23 Southwestern Moving and Storage wants to have enough money to purchase a new tractor-trailer in 3 years. If the unit will cost $250000, how much should the company set aside each year if the account earns 9% per year?