# INDEX

#### А

Absolute change, financial statement analysis, 102 Accelerated depreciation double-declining balance, 30-32 and payback period, 497 Account format, balance sheet, 83 Accounting. See Financial accounting; Hospitality management accounting Accounting cycle types of. 3 worksheet activities, 38, 40 Accounting department, budget preparation, 365-366 Accounting equation, 6-7 Accounting principles. See Generally accepted accounting principles (GAAP) Accounting rate of return (ARR) and investment decisions, 494-496 limitations of, 497 Accounting software, 583-586 Accounting systems, 13-14 ledger account, 13-14 modified T account, 14 Accounts payable as current liability, 78, 415 journal entry, 16 theft/fraud related to, 224 Accounts receivable, 469-472 chart for age of, 470-471 as current asset, 76 income statement, 19 lockboxes, 471–472 Accounts receivable ratios, 148–151 accounts receivable average collection period, 150-151 accounts receivable as percentage of accounts receivable credit revenue. 148 - 150accounts receivable turnover, 150

Accrual basis accounting consistency principle, 10 defined. 5 matching principle, 13 revenue in, 10, 54-55 Accruals, adjustments for, 23 Accrued expenses, as current liability, 78 Accumulated depreciation and fixed assets, 77 method, 27 Acid test ratio. See Quick ratio Action plan, for financial goals, 555-556 Activity ratios, 137, 159–162 fixed asset turnover, 162 inventory turnover, 160-161 working capital turnover, 161 Adjusted trial balance, 32-35 Adjustments, 21-32 accruals and deferrals, 22 adjusted trial balance, 32-35 to cost of sales, 23-25 to cost of sales (food), 67-68 to depreciation expenses, 27-32 to inventory, 23-25 to prepaid expenses, 22, 25-26 to wages and salaries, 26-27 Aging, for controlling losses, 211 Allowance for uncollectable accounts. 12 Amortization, leasehold improvements, 78 Analysis breakeven analysis, 327-335 for buying business, 302–304 cost-volume-profit (CVP) method, 325 - 350financial statement analysis, 102-119 internal and external comparisons, 169 of investment decisions, 492-511

price/cost level change analysis, 114 - 117ratio analysis, 138-171 supply and demand analysis, 525-528 variance analysis, 383–390 working capital analysis, 428-442 Application software, 580-583 Assets in balance sheet equation, 6 current assets, 74-76, 429 debit-balanced accounts, 14 depreciation of, 77 fixed assets, 76-77 life of assets, 492-493 noncurrent assets, 435, 437 other assets, 76, 77-78 total assets, 78 Audit trail, as control system, 203 Average check per meal period, 248-249 relationship to sales revenue, 247-248 Average occupancy and room rates, 267-268 in supply and demand analysis, 525, 527 Average rate per occupied room ratio, 165 Averages and ratio analysis, 133-134 for sales revenues and cost function, 108-111, 164

# В

Bad debt expense, 12 Balance sheet, 74–84 balance sheet equation, 6–8, 17 common-size vertical analysis, 102–105 comparative horizontal analysis, 99–102

Balance sheet (continued) current assets, 74-76 current liabilities, 78-79 fixed assets, 76–77 function of. 6 importance of, 83 level of detail. 82 limitations of, 84 other assets, 76, 77-78 ownership equity, 79 presentation of, 83 statement of capital, 82 and statement of changes in working capital, 435-437 statement of partnership capital, 82 stockholders' equity accounts, 79-81.82 total assets, 78 total liabilities, 82 Balance sheet accounts, and debitcredit rules, 14 Balance sheet method, 12 Bank floats, 468 Bank reconciliation, 216-218 as control procedure, 216-217 format, example of, 218 steps in, 216-217 Banking, cash floats, 468 Bar codes, 587-588 Bar revenue, theft/fraud related to, 225 - 226Beverage operations. See Food/beverage operations Beverage revenue to food revenue percentage, 164-165 Bonding employees, 202 Book value, 13 Bottom-up approach, room rates, 263 - 264Bottom-up pricing method. See Pricing Breakeven analysis, 327-335 breakeven sales revenue, 329 extension of. See Cost-volumeprofit (CVP) method graphs, 331-335 information requirements for, 330 sales equation, 328-329 Breakeven, meaning of, 18, 244-245 Budget cycle, steps in, 367-369 Budget preparation, 365-367 individuals involved in, 365-366 time of year for, 366

Budgets capital budget, 364, 492 cash budgets, 458, 462-467 computer applications, 397 defined, 362 department budgets, 364-365, 371-376 disadvantages of use, 367 fixed budget, 363 flexible budget, 364 and forecasting, 390-396 long-term and short-term budgets, 363 master budgets, 365 for new operations, 376-378 operating budgets, 364 strategic budget, 363 utility of, 366-367, 369-370 variance analysis, 383-390 zero-base budgeting (ZBB), 378-382 Building depreciation. See Depreciation expense as fixed asset, 77 leasehold improvements, 77-78 Business entity, 9 Buying business, cost analysis, 302 - 304

# С

Calendar year, 10 Canned software, 579 Capital budget, 364, 492 Capital rationing, 506 Capital stock, 7, 79 Cash bank floats, 468 control procedures. See Cash receipts control debit cards revenues as, 144 forms as current asset, 74, 413, 467-468 theft/fraud related to, 195, 223-226 wages, 215 Cash basis accounting consistency principle, 10 defined, 5 revenue in. 10. 55 Cash budgets, 458, 462-467 computer applications, 477 financing section of, 466-467 information requirements, 462-463 for month, 463-464 negative cash budget, 465-466 for three-months, 464-465

Cash cost. 9 Cash flow cycle, illustration of, 459 from financing activities, 415 from investing activities, 415 management of. See Cash management negative cash flow, 465-466 net, calculation of, 413 from operating activities, 415 statement of. See Statement of cash flows (SCF) Cash flow projections, in feasibility study, 536 Cash flow-related ratios cash flow from operating activities to current liabilities ratio, 426 cash flow from operating activities to interest ratio, 427-428 cash flow from operating activities margin ratio, 428 cash flow from operating activities to total liabilities ratio, 427 Cash management, 467-476 accounts receivable, 469-472 cash receipts, 467-468 concentration banking, 468-469 and cost-volume-profit (CVP) method, 476-477 and inventories, 473-475 long-range cash flow budget, 475-476 and marketable securities, 472 two bank accounts, 469 Cash receipts control, 210-213 for disbursements, 212-213 for receipts, 210-211 sales checks, control of, 200-201, 211 Cashier's department, control procedures, 217-218 Central processing unit (CPU), 578 Check out, procedures for employees, 198 Checks, for disbursements, control measures, 212-213 Cleaning, number of rooms cleaned ratio, 167 Coffee shop, organization chart, 191 Collusion, theft/fraud by, 196 Common size, meaning of, 102 Common-size vertical analysis for balance sheet, 102-105 for current assets, 141 for income statement, 107-108

INDEX **605** 

Comparative horizontal analysis for balance sheets, 99-102 for income statement, 105-107 Competition competitive pricing, 242, 278-279 in feasibility study, 524, 525, 528 Computer applications budgets, 397 cash budget, 477 cost management, 315 cost standards, 221 cost-volume-profit (CVP) method, 350 feasibility study, 537-538 financial statement analysis, 117-119 general ledger, 85 internal control, 227-228 inventory control, 85 investment decisions, 511 pricing, 282 ratio analysis, 173 statement of cash flows (SCF), 442 Computers advantages of systems, 574 bar codes, 587-588 electronic cash register (ECR), 583-585 food control systems, 588-590 front-office systems, 590-591 hardware system, 578-579 information systems, 556-562 and inventory control, 586-587 local area networks (LANs), 577 mainframes, 575 microcomputers, 576-577 minicomputers, 575-576 networking, 576–577 point-of-sale (POS) systems, 585-586 programs and applications. See Software random access memory (RAM), 578 Concentration banking, 468-469 Conservatism, and depreciation expense, 10 Conservatism principle, 10 Consistency principle, 10-11 Consumer price index, 115 Contra asset account, 27 Contribution margin expression as dollar amount, 340-341 high/low, factors related to, 252 importance of, 340

meaning of, 331 in menu engineering, 255-259 Contribution margin income statement, cost-volume-profit (CVP) method, 330-331, 334-335, 343 Contributory income, 4, 58 Contributory income percentage, 72-73 Control systems. See Internal control Controllable costs, 295 Corporations entity of, 7, 134 stockholders' equity accounts, 79-81.82 Corrective action and budget, 370 variance analysis, 388 Cost center, 69 Cost management buying business, 302-304 computer applications, 315 costs, types of, 294-297 equipment purchases, 299-300 fixed or variable lease, 304-305 importance of, 294 indirect costs, allocation of, 297-299 off-season closing, 301–302 selling below cost, 300-301 semi costs, categorization of, 305-315 and type of cost, 294-297 Cost principle, 9 Cost of sales adjustments to, 23-25 adjustments to (food), 67-68 defined, 18 periodic method, 61 Cost standards. See Standard costs Cost structure of business, and pricing, 277 Cost variance, 386 Cost-volume-profit (CVP) method, 325-350 basic assumptions, 327 and breakeven analysis, 327-335 and cash management, 476-477 computer applications, 350 contribution margin income statement, 330-331, 334-335, 343 graphs, 331-335 information requirements, 330 for investment decision, 344-345 joint costs, 345-348 limitations of, 327

for loss situation, 342-344 and multiple changes, 339 room rate changes, 341-342 sales revenue equations, 335-339 sales units equations, 340-342 tax factors, 348-349 Costs controllable and noncontrollable, 295 direct costs, 4, 51, 294 discretionary costs, 295 fixed costs, 295, 296 indirect costs, 4, 51, 295 joint costs, 295 opportunity costs, 296 relevant costs, 296 semifixed/semivariable costs, 297 standard costs, 297 sunk costs, 296 undistributed costs, 51, 295 variable costs, 296 Credit-balanced accounts, 14-15 Credit balances, as current liability, 79 Credit card receivables as current asset, 76 reimbursement time span, 19, 144, 148 subsidiary accounts, use of, 144 written procedures for employees, 198 Credit card-related ratios collection period ratio, 147-148 receivable ratios, 145-148 receivables turnover ratio, 146-147 Credit memorandum invoice, 207 Current assets common-size vertical analysis, 141 types of, 74-76, 429 Current liabilities, types of, 78-79, 429 Current ratio, 135, 138-141 window dressing, 140-141 Customer habits, and income levels, 276 - 277CVP analysis. See Cost-volume-profit (CVP) method

#### D

Daily operating cycle, 3
Database applications, functions of, 581–582
Debit-balanced accounts, 14–15
Debit card sale, as cash sale, 144
Debit–credit rules, 14–15

and balance sheet accounts, 14
and income statement accounts, 15

606 INDEX

Debt to equity ratio, 153-154 Decision making about investments. See Investment decision: Investment decision tools cost management, 294-315 cost-volume-profit (CVP) method, 325-350 and information systems, 559-561 management by exception, 560-561 steps in, 559-560 See also Analysis Decision units, zero-base budgeting (ZBB), 379-381 Deferred expenses adjustments for, 23 types of, 78 Deflation, price/cost level change analysis, 114-117 Deliveries, theft of, 223 Demand determination of, 276 elastic and inelastic, 275-276 supply and demand and feasibility study, 524, 525-528 Department budgets, 364-365, 371-376 operating expense deductions, 372 - 374sales revenue estimates, 371-372 undistributed expenses, 374-376 Department managers, and purchasing, 204 - 205Departmental contributory income, defined, 55, 58 Departmental income statement, 55-58, 60separation of food and beverage, 57 - 58Dependent variable, in multipoint graph, 311-312 Deposits, as asset, 77 Depreciation, defined, 27 Depreciation expense, 27-32 accumulated depreciation, 27, 77 and conservatism, 10 double-declining-balance depreciation, 30-32 first year full depreciation, 11 offset (contra asset) account, 27 straight-line depreciation, 27-28 sum-of-the-years'-digits depreciation, 29 - 30

systematic depreciation, 11 units-of-production depreciation, 28 - 29Direct costs, defined, 4, 51, 294 Direct method, net cash flow calculation. 413 Disclosure principle, 11, 12 Discount, inventory purchases, 474 Discounted cash flow, and investment decisions, 497-501 Discounting, meaning of, 498 Discounting room rates, 268-271 discount grid, 269-271 Discretionary costs, 295 Dividends payable, 80 Documentation, as control measure, 203 Dog menu items, 258-259 Dollars of revenue ratio, 163-164 Double-declining-balance depreciation, 30 - 32Double-entry-accrual accounting, 8 Double occupancy double occupancy rate, 265 occupancy percentage/double occupancy ratio, 166-167

## Ε

Earnings per share, shareholder wealth maximization, 550-551 Earnings per share ratio, 158 Efficiency ratios. See Activity ratios Elastic demand, meaning of, 275 Elasticity of demand and availability of substitutes, 276 determination of elasticity, 276 and pricing, 275-277 Electronic cash register (ECR), 583-585 Electronic server pad (ESP), 585 Electronic systems, use for control, 202 Employees. See Staff Equipment buying decision. See Investment decision: Investment decision tools depreciation. See Depreciation expense as fixed asset, 77 own or lease decisions, 508-511 purchases, cost analysis for, 299-300 trade-in/scrap value, 501

Expenses accrued expenses, 78 deferred expenses, 78 defined, 18 fixed charges, 59–60 income statement, 55, 59–60 indirect expenses, 70–72 unallocated expenses and budget, 374–376 undistributed expenses, 378–379 External audit, fraud/theft detection, 203 Extranets, 577

## F

Feasibility study computer applications, 537-538 for expanding operations, 537 financial analysis section. See Feasibility study financial analysis format for, 522-523 functions of, 522 information requirements, 524 space of facilities recommendations, 528 supply and demand analysis, 525 - 528types of guests, data on, 524, 526 Feasibility study financial analysis, 528-537 capital investment requirements, 529 evaluation of projections, 536-537 food/beverage sales, 533-535 pro forma income statements, 532-535 projected cash flow, 536 rooms revenue, 532 tentative financing plan, 529-531 Financial accounting accounting equation, 6-7 balance sheet, 6 balance sheet equation, 6-8 cash versus accrual accounting, 5-6 double-entry-accrual accounting, 8 focus of 2 income statement, 6 Financial goals action plan for, 555-556 and financial management, 548-551 mission statement, 547-548 secondary goals, 551-552 and size/scope of operation, 553-554

strategies of action plan, 555 tactics of action plan, 555-556 Financial management and information systems, 556-562 management by objectives (MBO), 552-553 objectives of, 548-549 and profit maximization, 549-550 and return on investment maximization, 550 and stockholder's wealth maximization, 550-551 Financial statement analysis absolute and relative change, 102 average for sales revenues and cost function, 108-111 common-size vertical analysis. 102-105, 107-108 comparative horizontal analysis, 99-102, 105-107 computer applications, 117-119 price/cost level changes, 114-117 trend index analysis, 113-114 trend percentages, 111-113 Financial statements balance sheet, 74-84 income statement, 54-68 First-in, first-out (FIFO) benefits for, 67 inventory valuation, 62-64 Fiscal year, 10 Fixed asset turnover ratio, 162 Fixed assets, types of, 76-77 Fixed budget, 363 Fixed charges, 59 Fixed cost lease, versus variable cost lease, 304-305 Fixed costs determined from semi costs, 305-315 types of, 296 Flexible budget, 364 Follow-the-leader method, pricing, 242 Food/beverage operations adjustments to cost of sales, 67-68 cash receipts, control measures, 210 - 213departmental contributory income, 55 departmental income statements, 57 - 58in feasibility study, 533-535 inflation/deflation cost level changes, 114 - 117

keeping revenue separate, 57-58 per-guest average, 108-111 theft/fraud related to, 224 written procedures for employees, 197 - 198Food/beverage operations ratios, 163-165 average check, 164 beverage revenue to food revenue, 164-165 dollars of revenue, 163-164 food/beverage cost percentage, 163 food/beverage revenue to rooms revenue, 165 labor cost percentage, 163 revenue per seat, 164 seat turnover, 164 Food control systems, 588-590 inventory control, 589 management reports, 590 production control, 589 recipes in, 588-589 Forecasting, 390–396 choosing method, 396 limitations of, 395-396 moving averages, 390-392 periods of data used, 390, 392 regression analysis, 392-395 Forms, as control measure, 202 Fraud. See Theft or fraud Front office, theft/fraud related to, 226 - 227Front-office systems, computerized, 590 - 591Full-cost accounting, 70 Full disclosure principle, 12 Furniture, as fixed asset, 77

# G

General ledger adjusted trial balance, 32–35 formats for accounts, 13–14 unadjusted trial balance, 20–21 Generalized business period, 3 Generally accepted accounting principles (GAAP), 8–13 business entity principle, 9 conservatism principle, 10 consistency principle, 10–11 cost principle, 9 full disclosure principle, 12 going concern principle, 9

matching principle, 13 materiality concept, 11 monetary unit principle, 9 objectivity principle, 12-13 time period principle, 10 Goal-setting and budget, 368-369 goal congruence, 552 social goals, 554 See also Financial goals Going concern principle, 9 Goodwill and investment decisions, 508 and sale of business, 84 Graphs breakeven analysis, 331-335 cost-volume-profit (CVP) method, 331-335 multipoint graph, 311-312 Gross margin/gross profit meaning of, 18, 19 See also Contribution margin Gross return on assets ratio, 155

## Н

Hardware system, 578–579 High–low method, 307–311 High price method, pricing, 242 Hospitality management accounting accounting cycles, 3 careers in, 3 focus of, 2–3 responsibility accounting, 68–74 Uniform System of Accounts, 53 Hotel, organization chart, 193

## I

Income statement, 18–32, 54–68 adjustments to cost of sales (food), 67–68 adjustments to entries, 21–32 common-size vertical analysis, 107–108 comparative horizontal analysis, 105–107 cost of sales, 61 departmental contributory income, 55–58 expenses, 55, 59–60 function of, 6 income statement equation, 18 inventory valuation, 61–67

Income statement (continued) pro forma, 532-535 sales revenue, 54-55, 245-248 terms related to, 18-19 unadjusted trial balance, 20-21 utility of, 56 Income statement accounts, and debit-credit rules, 15 Income statement method, 12 Income summary account, 34-35 Income tax payable, as current liability, 78 Independent variable, in multipoint graph, 311–312 Indifference point, 305 Indirect costs allocation of, 297-299 defined, 4, 51, 295 Indirect expenses categories of, 58 distribution of, 70-72 Indirect method, net cash flow calculation, 413 Inelastic demand, meaning of, 275 Inflation LIFO during, 65 price/cost level change analysis, 114 - 117Information systems, 556-562 benefits of. 558-559 and decision levels, 556-558 and decision making process, 559-561 effectiveness, evaluation of, 561-562 effectiveness versus efficiency factors, 562 Integrated banking, 468-469 Integrated pricing, 259-260 Integrated software, 580 Interactive software, 579-580 Internal control access to assets, limiting, 200 audit trail. 203 bank reconciliation, 216-217 basic principles, 195-204 bonding employees, 202 of cash disbursements, 212-213 of cash receipts, 210-211 of cashier's department, 217-218 computer applications, 227-228 control of product storage, 207-210 control of purchases, 204-207 cost standards, 219-222

documentation, 203 electronic systems, use of, 202 and employee responsibilities, 196-197, 200-201 and employee training, 196 external audit, 203 forms/reports, 202 job rotation, 201 mandatory vacations, 203 monitoring of system, 196 of payroll, 213-215 problems in hospitality industry, 194-195 and recordkeeping, 198-200 requirements for, 194 supervision and review, 203-204 surprise checks, 200 written procedures, 197-198 Internal rate of return (IRR) and investment decisions, 503-507, 537 compared to net present value, 505-507 Interpolation, 505 Intranets, 577 Intuitive method, pricing, 241 Inventory adjustments to, 23-25 borrowing money for, 474 control, importance of, 61 as current asset, 76 discounts for prompt payment, 474 theft of. 195, 223 Inventory control, 207-210 basic practices, 207, 209 and computer systems, 586-587, 589 periodic inventory control, 25, 61 perpetual control method, 25, 209 perpetual inventory card, 209 storeroom requisition, 209-210 Inventory turnover inventory turnover ratio, 160-161 monthly calculation, 473-474 Inventory valuation, 61-67 first-in, first-out (FIFO), 62-64, 67 last-in, first-out (LIFO), 64-65 specific item cost, 62 weighted average cost, 65-67 Investment center, 69 Investment decision buying business, cost analysis,

302-304

capital rationing, 506

cost-volume-profit (CVP) method, 344-345 and future costs/benefits, 493 and life of asset, 492 recovery of initial investment, 493 Investment decision tools accounting rate of return (ARR), 494-496 computer applications, 511 discounted cash flow, 497-501 and internal rate of return (IRR), 503-507 net present value (NPV), 501-503, 505-507 nonquantifiable benefits, 508 own or lease decisions, 508-511 payback period method, 496-497 Investments as asset, 77 cash flows from, 415, 423 marketable securities, 472 risk factors, 472, 507-508 Invoice invoice approval stamp/form, 207, 209 for purchasing control, 206, 207

# J

Job rotation, as control system, 201 Joint costs cost-volume-profit (CVP) method, 345-348 types of, 295 Journal function of, 15 journal entry, 15-18

#### Κ

Key cards, 591

#### L

Labor cost percentage ratio, 163, 167 Land, as fixed asset, 77 Lapping, fraud by, 199 Last-in, first-out (LIFO), inventory valuation, 64–65 Lease fixed versus variable cost lease, 304–305 own or lease decisions, 508–511 Leasehold improvements, amortization of costs, 78 Ledger account. *See* General ledger Leverage, 171-173 and debt to equity ratio, 154 defined, 138 new restaurant example, 171-173 Liabilities in balance sheet equation, 6 credit-balanced accounts, 14 current liabilities, 78-79, 429 long-term liabilities, 79 noncurrent liabilities, 437 total liabilities, 82 Liquidity ratios, 135, 138-151 current ratio, 135, 138-141 quick ratio (acid test ratio), 135, 142 - 143receivables, 143-151 Loans and credit and cash budget, 466-467 and cash inflows/outflows, 415, 423 - 425and current ratio, 139 and debt to equity ratio, 154 for inventory, 474 own or lease decision, 508-511 and return on assets ratio, 155, 159 Local area networks (LANs), 577 Lockboxes, accounts receivable collection, 471-472 Long-range cash flow budget, 475-476 five-year budget illustration, 475 utility of, 475-476 Long-run pricing, 243 Long-term budget, 363 Long-term liabilities, types of, 79 Loss. 18

#### Μ

Mainframe computers, 575
Management by exception, 560–561
Management by objectives (MBO), 552–553
Management reports, of food control systems, 590
Manager's daily report, 167–169
Market segment, and room rates, 273–274
Marketable securities

as current asset, 74, 76
as investment, 472

Markup method, pricing, 242
Master budgets, 365
Matching principle, 13

Material economic impact, 12 Materiality concept, 11 Maximum-minimum method, 307-311 Meals, employees meal deduction, 58, 68 Menu engineering, 252-259 contribution margin in, 252, 255 - 259dog menu items, 258-259 limitations of, 259 plowhorse menu items, 256, 258 puzzle menu items, 256, 258 star menu items, 256, 257 worksheet for, 253-254 Menu items, pricing. See Restaurant pricing Microcomputers, 576-577 Microprocessor, 576 Minicomputers, 575–576 Mission statement, 547-548 Modified T account, 14 Monetary unit principle, 9 Monitor, computer, 578 Mortgage, as liability, 79 Motor lodge, organization chart, 192 Moving averages, 390-392 Multipoint graph, 311–312 sales and wages as variables, 311-312

# Ν

Net book value, 77 Net food cost, 58 Net income, 13, 18 determination of, 459-461 Net income to sales revenue ratio. 156 - 157Net loss, 13, 19 Net present value (NPV) compared to internal rate of return (IRR), 505-507 and investment decisions, 501-503, 505-507.537 Net return on assets ratio, 155–156 Net worth, defined, 151 Net worth ratios, 136, 151-153 number of times interest earned, 154 total assets to total liabilities, 152 total liabilities to total assets. 152 - 153total liabilities to total equity, 153 - 154

Networking, 576–577 intranets and extranets, 577 local area networks (LANs), 577 New operations, budget for, 376–378 Noncurrent assets, types of, 435, 437 Noncurrent liabilities, types of, 437 Note payable, 16 Number of rooms cleaned ratio, 167 Number of times interest earned ratio, 154

# 0

Objectivity principle, 12-13 Occupancy percentage/double occupancy ratio, 166-167 Occupancy rate, in supply and demand analysis, 525-528 Off-season closing, cost analysis, 301-302 Offset account, 27 Oligopoly, price leader in, 278 \$1.00 per \$1, room rates, 261-262 Operating activities cash flows from, 415, 416-422 expenses, deduction from sales revenue, 372-374 operating budgets, 364 Operating income in CVP analysis, 335-336 defined, 18 from income statement, 34-35 Operating ratios, 137-138, 162-169 food/beverage operations, 163-165 information from manager's daily report, 167-169 rooms department, 165-167 Operating time period, 10 Opportunity costs, 296 Organization charts for coffee shop, 191 for motor lodge with dining room/cocktail lounge, 192 for restaurant complex, 192 for very large hotel, 193 Overtime authorization form, 214 Ownership equity, forms of, 6-7, 79

## Ρ

Paid-in capital, excess of par, 80 Partnerships entity of, 6, 134 statement of partnership capital, 82

Payback period method and investment decisions, 496-497 limitations of, 497 Pavroll cash wages, 215 control procedures, 213-215 overtime authorization, 214 pay change authorization, 213, 214 Percentage variances, 389-390 Percentages ratio analysis, 132-133 trend percentages, 111-113 Periodic inventory control, 25, 61 Perpetual inventory control, 25, 209 Plowhorse menu items, 256, 258 Point-of-sale (POS) systems, 585-586 Post-closing trial balance, 35, 37 Potential average room rate (REVPAR), 271-272 Preferred stock, 79 Prepaid expenses adjustments to, 22, 25-26 nonliquidity of, 142 Prepaid items, as current asset, 76 Price-cutting method, pricing, 242 Price/earnings ratio, 159 Price variance, 384 Pricing adjustments to prices, 274-275 competitive pricing, 242, 278-279 computer applications, 282 and cost structure of business, 277 and elasticity of demand, 275-277 follow-the-leader method, 242 high price method, 242 intuitive method, 241 long-run pricing, 243 markup method, 242, 275 price-cutting method, 242 psychological factors, 278 rule-of-thumb method, 241 tactical pricing, 243-244 trial-and-error method, 241-242 yield management, 279-282 See also Restaurant pricing; Room rates Printer, of computer system, 578-579 Pro forma income statements, for feasibility study, 532-535 Product storage. See Inventory control Profit, defined, 18

Profit before tax, as operating income, 335 Profit center, 69 Profit margin, net income to revenue ratio. 156-157 Profit maximization, and financial management, 549-550 Profitability, use of term, 155 Profitability ratios, 135, 154–159 earnings per share, 158 gross return on assets, 155 net income to sales revenue. 156 - 157net return on assets, 155-156 price/earnings, 159 return on owners' equity, 157-158 Projected cash flow, in feasibility study, 536 Projections, projected costs for next year, 246-248 Promotional expense, deduction of, 68 Proprietorship entity of, 6, 134 statement of capital, 82 Psychological factors, pricing, 278 Purchase order, 205-206 Purchasing control, 204-207 invoice, 206 invoice approval stamp, 207 purchase order, 205-206 purchase requisition, 204-205 receiving report, 207, 208 Purchasing department, responsibilities of. 205 Puzzle menu items, 256, 258

# Q

Quick ratio (acid test ratio), 135, 142–143

# R

Random access memory (RAM), 578
Ranking process, zero-base budgeting (ZBB), 381–382
Ratio analysis activity ratios, 137, 159–162 comparison of ratios, 133–134 computer applications, 173 industry averages in comparisons, 133–134 liquidity ratios, 135, 138–151

net worth ratios, 136, 151-153 operating ratios, 137-138, 162-169 profitability ratios, 135, 154-159 relationships expressed by, 132-133 utility of, 132, 134-135 Read-only memory (ROM), 578 Receivable ratios, 143–151 accounts receivable ratios, 148-151 credit card collection period ratio, 147 - 148credit card receivables, 145-148 credit card receivables turnover. 146-147 Receiving report, for purchasing control, 207, 208 Recipes, and food control systems, 588-589 Recordkeeping as control system, 198-200 lapping, prevention of, 199-200 Regression analysis forecasting, 392-395 semifixed/semivariable cost categorization, 312-313 Relative change, financial statement analysis, 102 Relevant costs, 296 Report form, balance sheet, 83 Reports as control measure, 202 management reports, food control system, 590 manager's daily report, 167-169 Requisition, purchase requisition, 204 - 205Residual value, 27 Responsibility accounting, 68-74 indirect expense distribution, 70-72 responsibility centers, 69 revenue mix and net income, 72-73 transfer pricing, 69-70 Restaurant complex, organization chart, 192 Restaurant pricing, 244-261 average check by meal period, 248 - 249cost percentage, use of, 249-250 and elasticity of demand, 276-277 integrated pricing, 259-260 menu engineering, 252-259 menu items, 249-251

from projected costs for next year, 246 - 248and sales mix, 250-251 seat turnover. 260-261 Retained earnings, 7, 51, 80 statement of changes in working capital, 437-438 Return on assets ratio, 155 Return on investment (ROI) maximization of, 550 new restaurant leverage scenarios, 171 - 173Return on owners' equity ratio, 157-158 Revenue center, 69 Revenue mix, and net income, 72-73Revenue per available room (REVPAR) ratio. 165-166 Revenue per seat ratio, 164 Risk, and investments, 472, 507-508 Room cancellations, tracking of, 282 Room rates, 261-274 actual rate/potential rate comparison, 272-273 adjustment to prices, 274-275 and average occupancy, 267-268 bottom-up approach, 263-264 decreased rate, factors related to, 266 discounting, 268-271 double occupancy rate, 265 and elasticity of demand, 275-276 and market segment, 273-274 \$1.00 per \$1,000 method, 261–262 potential average room rate (REVPAR), 271-272 rate change, cost-volume-profit (CVP) method, 341–342 and room size, 266-267 single room rate, 266 yield management, 279-282 Rooms department ratios, 165-167 average rate per occupied room, 165 labor cost percentage, 167 number of rooms cleaned, 167 occupancy percentage/double occupancy, 166-167 revenue per available room (REVPAR), 165-166 undistributed costs, 167 Rooms revenue, for feasibility study, 532 Rule-of-thumb method, pricing, 241

## S

Salaries, accrual adjustments, 26-27 Sales mix, and menu pricing, 250-251 Sales revenue and allocation of indirect costs. 297 - 299budget estimates of, 371-372 buying business, cost analysis, 302-304 components of, 18 contribution margin, 331 conversion to operating income, 336 to cover new costs, 336-338 CVP formula equations, 335-339 income statement, 54-55, 245-248 maximization and yield management, 281-282 relationship to average check, 247-248 Sales revenue accounts, 15 Sales units, CVP formula equations, 340-341 Sales volume variance, 384-388 Satisficing, 554 Scrap value, equipment, 501 Seasonal cycle, 3 Seat turnover, and pricing, 260-261 Seat turnover ratio, 164 Security, and front-office systems, 590 - 591Semifixed/semivariable cost categorization, 305-315 comparison of methods, 314 high-low method, 307-311 multipoint graph, 311-312 regression analysis, 312-313 simplified method, 314-315 Semifixed/semivariable costs, types of, 297 Short-term budget, 363 Single room rate, 266 Site evaluation, feasibility study, 523 Social goals, 554 Software accounting software, 583-586 application-oriented software, 580 - 581canned software, 579 database applications, 581-582 integrated programs, 580 interactive programs, 579-580 operation of, 578

spreadsheet software, 582-583 word processing, 581 Solvency ratios. See Net worth ratios Spreadsheet software, applications of, 582 - 583Staff bonding employees, 203 and control measures. See Internal control employee turnover, 195, 196 schedules, 373 staff meals deduction, 58, 68 theft/fraud, types of, 222-227 written procedures for, 197-198 Standard costs, 219-222, 297 computer applications, 221 and pricing, 249-250 recording costs/selling prices, 219-220 weekly calculations, 221 Standards cost standards. See Standard costs and ratio analysis, 133-134 Star menu items, 256, 257 Statement of capital partnership, 82 sole proprietor, 82 Statement of cash flows (SCF) accrual income statement, 417 cash flow, segmentation of, 414-416 cash flow conversion, 420-422 cash flow from financing activities. 423-425 cash flow from investments, 423 computer applications, 442 finalizing statement, 425-428 financing activities section, 423-425 investing activities section, 423 net cash flow evaluation, 413-414 operating activities section, 416-419 ratios derived from, 426-428 utility of, 412-414 working capital analysis, 428-442 Statement of changes to working capital, 429, 431-441 balance sheet information, 435-437 information requirements, 434 retained earnings information, 437 - 438transactions, effects of, 434 utility of, 431-432, 439-440

Stock capital stock, 79 preferred stock, 79 Stock rotation, and FIFO inventory method, 62-64, 67 Stockholders' equity accounts, 79-81, 82 capital stock, 79 dividends payable, 80 earnings per share (EPS) ratio, 158 paid-in capital, excess of par, 80 retained earnings, 80 Stockholder's wealth, maximization of, 550-551 Storeroom requisition, 209-210 Straight-line depreciation, 27–28 Strategic budget, 363 Strategies, and financial goals, 555 Sum-of-the-years'-digits depreciation, 29 - 30Sunk costs, 296, 299 Supply and demand analysis, and feasibility study, 524, 525-528 Surprise checks, as control task, 200

# Т

Tableware, as asset, 77 Tactical pricing, 243–244 Tactics, and financial goals, 555-556 Taxation, and cost-volume-profit (CVP) method, 348-349 Theft or fraud, 222-227 of accounts payable and payroll, 224 bar revenue, 225-226 of cash, 195, 223-224 of deliveries, 223 of food/beverage revenue, 224-225 and front office, 226-227 lapping, 199 prevention of. See Internal control of receiving and inventory, 195, 223 Time period principle, 10 Total assets to total liabilities ratio, 152 Total liabilities to total assets ratio. 152 - 153

Total liabilities to total equity ratio, 153–154 Trade-in value, equipment, 501, 510–511 Trading securities, unrealized gain or loss, 76 Training, as control measure, 196 Transfer pricing, 69–70 Trend index analysis, 113–114 Trend percentages, 111–113 Trial-and-error method, pricing, 241–242 Turnover ratios. *See* Activity ratios

#### U

Unadjusted trial balance, 20–21 Unallocated expenses, and budget, 374–376 Uncontrollable costs, 295 Undistributed costs, 51, 295 Undistributed costs ratio, 167 Undistributed expenses, and zero-base budget (ZBB), 378–379 Undistributed operating expenses, 58 Uniform System of Accounts, 53 Units-of-production depreciation, 28–29 Universal product code (UPC) system, 587–588

# ۷

Value received, 13
Variable cost lease, versus fixed cost lease, 304–305
Variable costs determined from semi costs, 305–315 examples of, 296
Variables, in multipoint graph, 311–312
Variance analysis, 383–390 corrective action, 388 cost variance, 386 percentage variances, 389–390 price variance, 384

sales volume variance, 384–388 variance analysis matrix, 385, 386, 388 Voucher system, cash disbursements control, 213

#### W

Wages, accrual adjustments, 26-27 Weekly cycle, 3 Weighted average inventory control, 65 - 67Window dressing, 140-141 Word processing software, 581 Working capital capital requirements, determination of, 441-442 defined, 161, 428 sources of (inflows), 429-430 transactions, effects of, 433-434 uses of (outflows), 430-431 Working capital analysis, 428-442 cash inflow identification, 429-430 cash outflow identification, 430-431 statement of. See Statement of changes to working capital utility of, 429, 431 Working capital turnover ratio, 161 Worksheet, 35-40 accounting cycle activities, 38, 40 column contents, 37 Written procedures, as control system, 197 - 198

# Y

Yield management, 279–282 objective of, 281 yield statistics, 279–281

#### Ζ

Zero-base budgeting (ZBB), 378–382 advantages/disadvantages of, 382 decision units, 379–381 ranking process, 381–382 undistributed costs, 379