Brief Contents

PARI	Introduction: Markets and Prices 1
1 Pre	liminaries 3
_	Basics of Supply and Demand 19
	11 7
PARI	Producers, Consumers, and Competitive Markets 61
3 Cor	nsumer Behavior 63
_	ividual and Market Demand 107
_	certainty and Consumer Behavior 153
_	duction 187
7 The	Cost of Production 213
8 Pro	fit Maximization and Competitive Supply 261
9 The	Analysis of Competitive Markets 299
PARI	Market Structure and Competitive Strategy 337
10 Mai	ket Power: Monopoly and Monopsony 339
	ing with Market Power 381
	nopolistic Competition and Oligopoly 435
	ne Theory and Competitive Strategy 473
14 Mai	kets for Factor Inputs 515
15 Inv	estment, Time, and Capital Markets 545
PART	Information, Market Failure, and the Role of Government 577
16 Gen	eral Equilibrium and Economic Efficiency 579
	kets with Asymmetric Information 613
	ernalities and Public Goods 641
Appendi	x: The Basics of Regression 675
Glossary	
	to Selected Exercises 693
Photo Cr	edits 705
Indox 7	77

Contents

Preface xxiii

					-
P	A	R	T	Introduction: Markets and Prices	Ī

1	Pro	lim	ina	ries	2
	PTP	חוו	ına	iries	1

1.1 The Themes of Microeconomics 4

Trade-Offs 4

Prices and Markets 5

Theories and Models 5

Positive versus Normative Analysis 6

1.2 What Is a Market? 7

Competitive versus Noncompetitive Markets 8

Market Price 8

Market Definition—The Extent of a Market 9

- 1.3 Real versus Nominal Prices 12
- 1.4 Why Study Microeconomics? 15

Corporate Decision Making: Ford's Sport Utility Vehicles 15

Public Policy Design: Automobile Emission Standards for the Twenty-first Century 16

Summary 17

Questions for Review 18

Exercises 18

2 The Basics of Supply and Demand 19

2.1 Supply and Demand 20

The Supply Curve 20

The Demand Curve 21

- 2.2 The Market Mechanism 23
- 2.3 Changes in Market Equilibrium 24
- **2.4** Elasticities of Supply and Demand 32

Point versus Arc Elasticities 35

2.5 Short-Run versus Long-Run Elasticities 38

Demand 38

Supply 43

- *2.6 Understanding and Predicting the Effects of Changing Market Conditions 47
 - 2.7 Effects of Government Intervention—Price Controls 55

Summary 57

Questions for Review 57

Exercises 58

Consumer Behavior 63

Consumer Behavior 64

3.1 Consumer Preferences 65

Market Baskets 65

Some Basic Assumptions about Preferences 66

Indifference Curves 67

Indifference Maps 69

The Shape of Indifference Curves 70

The Marginal Rate of Substitution 71

Perfect Substitutes and Perfect Complements 72

3.2 Budget Constraints 79 The Budget Line 79

The Effects of Changes in Income and Prices 81

3.3 Consumer Choice 83

Corner Solutions 87

3.4 Revealed Preference 89

3.5 Marginal Utility and Consumer Choice 92

*3.6 Cost-of-Living Indexes 97

Ideal Cost-of-Living Index 97

Laspeyres Index 99

Paasche Index 100

Chain-Weighted Indexes 101

Summary 102

Questions for Review 103

Exercises 104

Individual and Market Demand 107

4.1 Individual Demand 108

Price Changes 108

The Individual Demand Curve 108

Income Changes 110

Normal versus Inferior Goods 112

Engel Curves 112

Substitutes and Complements 115

4.2 Income and Substitution Effects 116

Substitution Effect 117

Income Effect 118

A Special Case: The Giffen Good 119 4.3 Market Demand 122

From Individual to Market Demand 122

Elasticity of Demand 123

4.4 Consumer Surplus 128

Consumer Surplus and Demand 128

4.5 Network Externalities 132

The Bandwagon Effect 132 The Snob Effect 133

*4.6	Empirical Estimation of Demand 136	
	The Statistical Approach to Demand Estimation 136	
	The Form of the Demand Relationship 138	
	Interview and Experimental Approaches to Demand Determination 140	
Sum	mary 140	
Que	stions for Review 141	
Exer	cises 142	
Appendix	to Chapter 4: Demand Theory—A Mathematical Treatment	145
	Utility Maximization 145	
	The Method of Lagrange Multipliers 146	
	The Equal Margin Principle 147	
	Marginal Rate of Substitution 147	
	Marginal Utility of Income 148	
	An Example 148	
	Duality in Consumer Theory 149	
	Income and Substitution Effects 150	
Exer	rcises 152	
5 Uno	certainty and Consumer Behavior 153	
5.1	Describing Risk 154	

5

Probability 154 Expected Value 155 Variability 155 Decision Making 158 5.2 Preferences Toward Risk 159

Different Preferences Toward Risk 161

5.3 Reducing Risk 164 Diversification Insurance 166

The Value of Information 168 *5.4 The Demand for Risky Assets 171

Assets 171 Risky and Riskless Assets 171

Asset Returns 172 The Trade-Off Between Risk and Return 173

The Investor's Choice Problem 174

5.5 Behavioral Economics 179

Reference Points 180 Fairness 181

The Laws of Probability

Summing Up 182

Summary 183

Questions for Review 183

Exercises 184

Production 187

The Production Decisions of a Firm 187

- **6.1** The Technology of Production 188 The Production Function 189 The Short Run versus the Long Run 190 6.2 Production with One Variable Input (Labor) 190 Average and Marginal Products
- The Slopes of the Product Curve 192
- The Average Product of Labor Curve 193
 - The Marginal Product of Labor Curve 194
 - The Law of Diminishing Returns 194
- Labor Productivity 197 6.3 Production with Two Variable Inputs 199
 - Isoquants 199 Input Flexibility 201
 - Diminishing Marginal Returns 201
 - Substitution Among Inputs 202 Production Functions—Two Special Cases 203
- 6.4 Returns to Scale 207 Describing Returns to Scale 208 Summary 210
- Questions for Review 211
- Exercises 211

The Cost of Production 213

- - 7.1 Measuring Cost: Which Costs Matter? 213 Economic Cost versus Accounting Cost 214 Opportunity Cost 214
 - Sunk Costs 215 Fixed Costs and Variable Costs 216
 - Fixed versus Sunk Costs 217 Marginal and Average Cost 218
 - 7.2 Cost in the Short Run 220
 - The Determinants of Short-Run Cost 220
 - The Shapes of the Cost Curves 221 **7.3** Cost in the Long Run 225
 - The User Cost of Capital 225 The Cost-Minimizing Input Choice 226
 - The Isocost Line 227 Choosing Inputs 228 Cost Minimization with Varying Output Levels 232
 - The Expansion Path and Long-Run Costs 233 7.4 Long-Run versus Short-Run Cost Curves 234
 - The Inflexibility of Short-Run Production 234 Long-Run Average Cost 235 Economies and Diseconomies of Scale 237
 - The Relationship Between Short-Run and Long-Run Cost 238 7.5 Production with Two Outputs—Economies of Scope Product Transformation Curves 240

	ì	Economies and Diseconomies of Scope 241
		The Degree of Economies of Scope 241
		Dynamic Changes in Costs—The Learning Curve 243
		Graphing the Learning Curve 243
		Learning versus Economies of Scale 244
		Estimating and Predicting Cost 248
		Cost Functions and the Measurement of Scale Economies 250
		nary 252
		tions for Review 253
	-	ises 254
Δnı	endix :	to Chapter 7: Production and Cost Theory—
'''		A Mathematical Treatment 256
		Cost Minimization 256
		Marginal Rate of Technical Substitution 257
		Duality in Production and Cost Theory 258
		The Cobb-Douglas Cost and Production Functions 258
	Exerc	rises 260
8		it Maximization and Competitive Supply 261
•		Perfectly Competitive Markets 262
		When Is a Market Highly Competitive? 263
		Profit Maximization 264
		Do Firms Maximize Profit? 264
		Marginal Revenue, Marginal Cost, and Profit Maximization 265
	5.5	Demand and Marginal Revenue for a Competitive Firm 266
		Profit Maximization by a Competitive Firm 267 Choosing Output in the Short Run 268
	5.4	Short-Run Profit Maximization by a Competitive Firm 268
		The Short-Run Profit of a Competitive Firm 269
	0.5	The Competitive Firm's Short-Run Supply Curve 273
	8.5	The Firm's Response to an Input Price Change 274
	0.6	
	0.6	The Short-Run Market Supply Curve 276
		Elasticity of Market Supply 276 Producer Surplus in the Short Run 279
	0.	1,00000
	8.7	choosing only in an arrange
		Long-Run Profit Maximization 281
		Long-Run Competitive Equilibrium 283
		Economic Rent 286
		Producer Surplus in the Long Run 286
	8.8	The Industry's Long-Run Supply Curve 287
		Constant-Cost Industry 288
		Increasing-Cost Industry 289
		Decreasing-Cost Industry 290
		The Effects of a Tax 291
		Long-Run Elasticity of Supply 292
		mary 294
	One	stions for Review 295

Exercises 296

9	The	Analysis of Competitive Markets 299
	9.1	Evaluating the Gains and Losses from Government Policies—Consumer and
		Producer Surplus 299
		Review of Consumer and Producer Surplus 300
		Application of Consumer and Producer Surplus 301
		The Efficiency of a Competitive Market 306
		Minimum Prices 310
	9.4	Price Supports and Production Quotas 314
		Price Supports 314 Production Quotas 316
	9.5	Import Quotas and Tariffs 321
		The Impact of a Tax or Subsidy 326
		The Effects of a Subsidy 329
	Sum	mary 332
		stions for Review 333
	Exer	rcises 333
P A	RT	Market Structure and Competitive Strategy 337
10	Mai	rket Power: Monopoly and Monopsony 339
	10.1	Monopoly 340
		Average Revenue and Marginal Revenue 340
		The Monopolist's Output Decision 342
		An Example 343
		A Rule of Thumb for Pricing 344
		Shifts in Demand 347
		The Effect of a Tax 348
	10.2	*The Multiplant Firm 349
	10.2	Monopoly Power 351
		Measuring Monopoly Power 353 The Rule of Thumb for Pricing 353
	10.3	Sources of Monopoly Power 357
		The Elasticity of Market Demand 357
		The Number of Firms 358
		The Interaction Among Firms 358
	10.4	The Social Costs of Monopoly Power 359
		Rent Seeking 360
		Price Regulation 361
		Natural Monopoly 362
		Regulation in Practice 363
	10.5	Monopsony 364
		Monopsony and Monopoly Compared 367
	10.6	Monopsony Power 368
		Sources of Monopsony Power 368
		The Social Costs of Monopsony Power 369
		Bilateral Monopoly 370

		Enforcement of the Antitrust Laws 374
		Antitrust in Europe 374
		mary 377 stions for Review 378
	_	cises 378
11	Pric	ing with Market Power 381
		Capturing Consumer Surplus 382
	11.2	Price Discrimination 383
		First-Degree Price Discrimination 383
		Second-Degree Price Discrimination 386
	44.0	Third-Degree Price Discrimination 387
	11.3	Intertemporal Price Discrimination and Peak-Load Pricing 393 Intertemporal Price Discrimination 394
		Peak-Load Pricing 395
	11 /	The Two-Part Tariff 397
		Bundling 404
	11.5	Relative Valuations 404
		Mixed Bundling 408
		Bundling in Practice 411
		Tying 414
	*11.6	Advertising 415
		A Rule of Thumb for Advertising 417
		mary 419
		stions for Review 419
	Exer	cises 420
Аp	pendix	to Chapter 11: Transfer Pricing in the Integrated Firm 424
-		Transfer Pricing When There Is No Outside Market 424
		Transfer Pricing with a Competitive Outside Market 427
		Transfer Pricing with a Noncompetitive Outside Market 428
		A Numerical Example 431
		Exercises 432
12		
	Mo	nopolistic Competition and Oligopoly 435
		Monopolistic Competition 436
		Monopolistic Competition 436 The Makings of Monopolistic Competition 436
		Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441 Equilibrium in an Oligopolistic Market 442
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441 Equilibrium in an Oligopolistic Market 442 The Cournot Model 443
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441 Equilibrium in an Oligopolistic Market 442 The Cournot Model 443 The Linear Demand Curve—An Example 445
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441 Equilibrium in an Oligopolistic Market 442 The Cournot Model 443 The Linear Demand Curve—An Example 445 First Mover Advantage—The Stackelberg Model 447
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441 Equilibrium in an Oligopolistic Market 442 The Cournot Model 443 The Linear Demand Curve—An Example 445 First Mover Advantage—The Stackelberg Model 447 Price Competition 449
	12.1	Monopolistic Competition 436 The Makings of Monopolistic Competition 436 Equilibrium in the Short Run and the Long Run 437 Monopolistic Competition and Economic Efficiency 437 Oligopoly 441 Equilibrium in an Oligopolistic Market 442 The Cournot Model 443 The Linear Demand Curve—An Example 445 First Mover Advantage—The Stackelberg Model 447 Price Competition 449

10.7 Limiting Market Power: The Antitrust Laws 372

	12.5	Implications of the Prisoners' Dilemma for Oligopolistic I	ricin
		Price Rigidity 457	
		Price Signaling and Price Leadership 458	
	10.0	The Dominant Firm Model 461	
	12.6	Cartels 462	
	Sum	Analysis of Cartel Pricing 463	
		stions for Review 468	
	-	rcises 469	
13	Gar	ne Theory and Competitive Strategy 473	
		Gaming and Strategic Decisions 473	
		Noncooperative versus Cooperative Games 474	
	13.2	Dominant Strategies 476	
		The Nash Equilibrium Revisited 478	
		Maximin Strategies 480	
		*Mixed Strategies 482	
	13.4	Repeated Games 484	
		Sequential Games 489	
		The Extensive Form of a Game 489	
		The Advantage of Moving First 490	
	13.6	Threats, Commitments, and Credibility 491	
		Empty Threats 492	
		Commitment and Credibility 492	
		Bargaining Strategy 494	
	13.7	Entry Deterrence 497	
		Strategic Trade Policy and International Competition 499	
	*13.8	Auctions 503	
		Auction Formats 503	
		Valuation and Information 504	
		Private-Value Auctions 504	
		Common-Value Auctions 506	
		Maximizing Auction Revenue 507	
		Bidding and Collusion 507	
	Sum	imary 510	
	Que	stions for Review 511	
		cises 511	
14	Maı	rkets for Factor Inputs 515	
		Competitive Factor Markets 515	
		Demand for a Factor Input When Only One Input Is Variable	516
		Demand for a Factor Input When Several Inputs Are Variable	518
		The Market Demand Curve 520	510
		The Supply of Inputs to a Firm 523	

Pricing 457

14.2 Equilibrium in a Competitive Factor Market 528
 Economic Rent 529

 14.3 Factor Markets with Monopoops Power 522

14.3 Factor Markets with Monopsony Power 533

Marginal and Average Expenditure 533

The Install Power 1

The Market Supply of Inputs 525

	Sum	Factor Markets with Monopoly Power 537 Monopoly Power over the Wage Rate 537 Unionized and Nonunionized Workers 539 mary 542 stions for Review 543 cises 543
15	Inve	estment, Time, and Capital Markets 545
		Stocks versus Flows 546
		Present Discounted Value 547
	10.2	Valuing Payment Streams 548
	153	The Value of a Bond 550
	10.0	Perpetuities 550
		The Effective Yield on a Bond 551
	154	The Net Present Value Criterion for Capital Investment Decisions 554
	10.1	The Electric Motor Factory 555
		Real versus Nominal Discount Rates 556
		Negative Future Cash Flows 557
	15.5	Adjustments for Risk 557
	10.0	Diversifiable versus Nondiversifiable Risk 558
		The Capital Asset Pricing Model 559
	15.6	Investment Decisions by Consumers 562
		Investments in Human Capital 564
	*15.8	Intertemporal Production Decisions—Depletable Resources 567 The Production Decision of an Individual Resource Producer 567 The Behavior of Market Price 568 User Cost 569 Resource Production by a Monopolist 569
	15.9	How Are Interest Rates Determined? 571
		A Variety of Interest Rates 573
		mary 574
	Que	stions for Review 574
	Exe	rcises 575
	A R T	
16	Gei	neral Equilibrium and Economic Efficiency 579
	16.1	General Equilibrium Analysis 579
		Two Interdependent Markets—Moving to General Equilibrium 580
		Reaching General Equilibrium 581
	16.2	Efficiency in Exchange 583

577

16

15

The Advantages of Trade 584 The Edgeworth Box Diagram 585

Efficient Allocations 586

The Contract Curve 587

Consumer Equilibrium in a Competitive Market 588 The Economic Efficiency of Competitive Markets 590

		The Utility Possibilities Frontier 591
		Equity and Perfect Competition 593
	16.4	Efficiency in Production 594
		Production in the Edgeworth Box 594
		Input Efficiency 595
		Produces Provided in Co., and A. and
		Troducer Equilibrium in a Competitive Input Market 596 The Production Possibilities Frontier 596
		Output Efficiency 598
	16 5	Efficiency in Output Markets 600
	10.5	The Gains from Free Trade 601
		Comparative Advantage 601
		An Expanded Production Possibilities Frontier 602
	16.6	An Overview—The Efficiency of Competitive Markets 606
	16.7	Why Markets Fail 607
		Market Power 608
		Incomplete Information 608
		Externalities 608
		Public Goods 609
		mary 609
	Que	stions for Review 610
	Exer	cises 610
17		•
17	Mar	kets with Asymmetric Information 613
	17.1	Quality Uncertainty and the Market for Lemons 614
		The Market for Used Cars 614
		Implications of Asymmetric Information 616
		The Importance of Reputation and Standardization 618
	17.2	Market Signaling 619
		A Simple Model of Job Market Signaling 620
		Guarantees and Warranties 623
	17.3	Moral Hazard 624
		The Principal–Agent Problem 627
		The Principal Acoust Buchland B.
		The Principal Agent Ducklam in D. 11: E.
		Incentives in the Principal–Agent Framework 631
	*17.5	Managerial Incentives in an Interest 17'
		Managerial Incentives in an Integrated Firm 633 Asymmetric Information and Invention 633
	·	Asymmetric Information and Incentive Design in the Integrated Firm 633 Applications 635
	Sumr	Asymmetric Information in Labor Markets: Efficiency Wage Theory 635 nary 638
		tions for Review 638
		ises 639
	~~616	NOCO UJ
18	Exter	malities and Public Goods 641
		Externalities 641
		Negative Externalities and Inefficiency 642

Positive Externalities and Inefficiency 643

16.3 Equity and Efficiency 591

	Ways of Correcting Market Failure 645
	An Emissions Standard 646
	An Emissions Fee 647
	Standards versus Fees 647
	Transferable Emissions Permits 650
	Recycling 655
	Externalities and Property Rights 659 Property Rights 659
	Bargaining and Economic Efficiency 659
	Costly Bargaining—The Role of Strategic Behavior 660
	A Legal Solution—Suing for Damages 661
18.4	Common Property Resources 662
	Public Goods 665
	Efficiency and Public Goods 666
	Public Goods and Market Failure 668
18.6	Private Preferences for Public Goods 670
Sum	mary 671
	stions for Review 672
Exer	cises 672
Appendix	The Basics of Regression 675
	An Example 675
	Estimation 676
	Statistical Tests 677
	Goodness of Fit 679
	Economic Forecasting 679
	Summary 682
Glossary	
	to Selected Exercises 693
Photo Cr	
Index 7	U7
List of E	xamples
Example	2.1.1 Markets for Prescription Drugs 10
Example	1.2 The Market for Sweeteners 11
Example	21.3 The Price of Eggs and the Price of a College Education 12
Example	2 1.4 The Minimum Wage 14
Example	and the second of the second o
Example	2.2 Wage Inequality in the United States 28
Example	2.3 The Long-Run Behavior of Natural Resource Prices 29
Example	2.4 The Effects of 9/11 on the Supply and Demand for
	New York City Office Space 30
Example	
Example	2.0 The Demand for Gustains and Table 10.00 ft 1 15.00 ft
Example	The Weather in Diaznana and Theory
Example	e 2.8 Declining Demand and the Behavior of Copper Prices 50

Example 2.9	Upheaval in the World Oil Market 51
_	Price Controls and National Co. Cl.
Example 3.1	Designing New Automobiles (I) 74
Example 3.2	Can Money Buy Happiness? 78
Example 3.3	Designing New Automobiles (II) 85
Example 3.4	A College Trust Fund 88
Example 3.5	Revealed Preference for Recreation 91
Example 3.6	Marginal Utility and Happiness 94
Example 3.7	Gasoline Rationing 95
Example 3.8	The Bias in the CPI 101
Example 4.1	Consumer Expenditures in the United States 114
Example 4.2	The Effects of a Gasoline Tax 120
Example 4.3	The Aggregate Demon 16 Min
Example 4.4	The Demand for Housing 127
Example 4.5	The Value of Clean Air 130
Example 4.6	
Example 4.7	Network Externalities and the Demands for Computers and E-Mail 135 The Demand for Ready-to-Eat Cereal 139
Example 5.1	Deterring Crime 158
Example 5.2	Business Executives and the Chair Chair
Example 5.3	The Value of Title Insurance M/L on D
Example 5.4	The Value of Information in the Detail International
Example 5.5	Doctors, Patients, and the Value of Information 170
Example 5.6	Investing in the Stock Market 178
Example 5.7	New York City Taxicab Drivers 182
Example 6.1	Malthus and the Food Crisis 196
Example 6.2	Labor Productivity and the Chandral Cristian
Example 6.3	A Production Function for Wheat 205
Example 6.4	Returns to Scale in the Carpet Industry 209
===ipie /.1	Choosing the Location for a Novelland C. L. L. D. W. C. L. L. L. D. W. C. L. D. W. C
	Sunk, Fixed, and Variable Costs: Computers, Software, and Pizzas 217
T = 0.10	The Short-Run Cost of Aluminum Smelting 223
P1C 7.1	The Effect of Effluent Fees on Input Choices 230
P16 7.5	economies of Scope in the Trucking Industry 242
	The Learning Curve in Practice 246
Example 7.7	cost Functions for Electric Power 250
Example 7.8	A Cost Function for the Savings and Loan Industry 252
F .	The Short-Kun Output Decision of an Aluminum Smolting Plant 271
T.	Considerations for Managers 272
T .	the Snort-Run Production of Petroleum Products 275
F 1 -	The Short-Kun World Supply of Copper 278
Fre 0.0	Oustant, Increasing, and Decreasing Cont. I. 1.
Transaction 1	, - 17 and Automobiles 291
T .	he Long-Run Supply of Housing 293
T	rice Controls and Natural Gas Shortages 304
Pre 3.2 I	he Market for Human Kidneys 307

Example 9.3	Airline Regulation 312
Example 9.4	Supporting the Price of Wheat 318
Example 9.5	The Sugar Quota 324
Example 9.6	A Tax on Gasoline 330
	Astra-Merck Prices Prilosec 346
	Markup Pricing: Supermarkets to Designer Jeans 354
	The Pricing of Videos 355
	Monopsony Power in U.S. Manufacturing 371
	A Phone Call About Prices 375
	The United States versus Microsoft 376
	The Economics of Coupons and Rebates 391
	Airline Fares 392
	How to Price a Best-Selling Novel 396
-	Polaroid Cameras 400
	Pricing Cellular Phone Service 402
Example 11.6	The Complete Dinner versus à la Carte: A Restaurant's Pricing Problem 413
Example 11.7	Advertising in Practice 418
Example 12.1	Monopolistic Competition in the Markets for Colas and Coffee 440
	A Pricing Problem for Procter & Gamble 452
Example 12.3	Procter & Gamble in a Prisoners' Dilemma 456
Example 12.4	Price Leadership and Price Rigidity in Commercial Banking 459
Example 12.5	The Cartelization of Intercollegiate Athletics 466
Example 12.6	The Milk Cartel 467
Example 13.1	Acquiring a Company 475
Example 13.2	Oligopolistic Cooperation in the Water Meter Industry 486
Example 13.3	Competition and Collusion in the Airline Industry 487
Example 13.4	Wal-Mart Stores' Preemptive Investment Strategy 495
Example 13.5	DuPont Deters Entry in the Titanium Dioxide Industry 500
Example 13.6	Diaper Wars 501
Example 13.7	Auctioning Legal Services 508
Example 13.8	Internet Auctions 509
Example 14.1	The Demand for Jet Fuel 522
Example 14.2	Labor Supply for One- and Two-Earner Households 527
Example 14.3	Pay in the Military 531
Example 14.4	Monopsony Power in the Market for Baseball Players 535
Example 14.5	Teenage Labor Markets and the Minimum Wage 536
Example 14.6	The Decline of Private-Sector Unionism 540
Example 14.7	Wage Inequality—Have Computers Changed the Labor Market? 541
	The Value of Lost Earnings 549
Example 15.2	The Yields on Corporate Bonds 553
	Capital Investment in the Disposable Diaper Industry 560
	Choosing an Air Conditioner and a New Car 563
	Should You Go to Business School? 565
	How Depletable Are Depletable Resources? 570

Example 16.1	The Interdependence of International Markets 582
Example 16.2	The Effects of Automobile Import Quotas 604
Example 16.3	The Costs and Benefits of Special Protection 605
Example 17.1	Lemons in Major League Baseball 618
Example 17.2	Working into the Night 623
Example 17.3	Reducing Moral Hazard: Warranting of A : 122
Example 17.4	CEO Salaries 628
Example 17.5	Managers of Nonprofit Hamilton
Example 17.6	Efficiency Wages at Ford Motor Company 637
Example 18.1	The Costs and Benefits of Reduced Sulfur Dioxide Emissions 651
Example 18.2	Emissions Trading and Clean Air 653
Example 18.3	Regulating Municipal Solid Wastes 658
Example 18.4	The Coase Theorem at Work 662
Example 18.5	Crawfish Fishing in Louisiana 663
Example 18.6	The Demand for Clean Air 668
Example A.1	The Demand for Coal 681
	- -