

8-1 Lesson Planning Guide (pp. 372–377)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-1: Use tables and graphs to represent relations and functions.

_____ State/local objectives: _____

NCTM Curriculum Standards: 1-3, 5-10

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 372

_____ ⇨ Transparency 8-1A

_____ Motivating the Lesson, Questioning, *TWE*, p. 372

2 TEACH

_____ In-Class Examples, *TWE*, pp. 373, 374

_____ ⇨ Transparency 8-1B

_____ Reteaching, Using Manipulatives, *TWE*, p. 374

_____ ⇨ Study Guide Masters, p. 62

_____ Alternative Learning Styles, Auditory, *TWE*, p. 372

_____ Cooperative Learning, Formations, *TWE*, p. 373

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 374

Homework Assignments

_____ Core: 17–43 odd, 44–51

_____ Enriched: 16–38 even, 40–51

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 758

_____ ⇨ Practice Masters, p. 62

_____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 69

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 377

_____ Extension, Using Cooperative Groups, *TWE*, p. 376

_____ ⇨ Enrichment Masters, p. 62

_____ ⇨ Group Activity Card 8-1

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components

8-2 Lesson Planning Guide (pp. 379–384)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-2: Construct and interpret scatter plots.
- _____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.B.1., DAP I.B.1., DAP I.B.2., DAP I.B.3., DAP III.B.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 1, 2, 3, 5-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 379
- _____ ⇨ Transparency 8-2A
- _____ Motivating the Lesson, Situational Problem, *TWE*, p. 380

2 TEACH


- _____ Math Lab 8-2A, *SE*, p. 378
- _____ In-Class Examples, *TWE*, p. 380
- _____ ⇨ Transparency 8-2B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 381
- _____ ⇨ Study Guide Masters, p. 63
- _____ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 379
- _____ ⇨ Interactive Mathematics Tools Software, 8-2

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 381
- _____ Error Analysis, *TWE*, p. 382

Homework Assignments

- _____ Core: 11–23 odd, 24, 25, 29–33
- _____ Enriched: 12–22 even, 23–33
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 758
- _____ ⇨ Practice Masters, p. 63
- _____ ⇨ Real-World Applications, 16
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 70

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 384
- _____ Extension, Using Cooperative Groups, *TWE*, p. 383
- _____ ⇨ Enrichment Masters, p. 63
- _____ ⇨ Multicultural Activity Masters, p. 15
- _____ ⇨ Group Activity Card 8-2

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components

8-3 Lesson Planning Guide (pp. 385–390)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 8-3.1: Find solutions for relations with two variables.

_____ 8-3.2: Graph the solutions.

_____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.B.1., ALG I.C.1., ALG III.A.1., ALG IV.A.1., MEA II.F.1., DAP I.B.2., DAP I.B.3., DAP III.B.1.**

_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 385

_____ ⇨ Transparency 8-3A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 386

2 TEACH

_____ In-Class Examples, *TWE*, p. 386

_____ ⇨ Transparency 8-3B

_____ Reteaching, Using Lists, *TWE*, p. 387

_____ ⇨ Study Guide Masters, p. 64

_____ Cooperative Learning, Round Table, *TWE*, p. 388

_____ ⇨ Interactive Mathematics Tools Software, 8-3

_____ Math Lab 8-3B, *SE*, p. 391

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 387

_____ Error Analysis, *TWE*, p. 389

Homework Assignments


_____ Core: 21–55 odd, 56–57, 59–70

_____ Enriched: 20–54 even, 56–70

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 759

_____ ⇨ Practice Masters, p. 64

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 71

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 390

_____ ⇨ Assessment and Evaluation Masters, Quiz A, p. 211

_____ Extension, Using Research, *TWE*, p. 390

_____ ⇨ Enrichment Masters, p. 64

_____ ⇨ Group Activity Card 8-3

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components

8-4 Lesson Planning Guide (pp. 392–395)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-4.1: Determine whether an equation represents a function.
- _____ 8-4.2: Find functional values for a given function.
- _____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.B.1., ALG I.C.1., ALG III.A.1., ALG IV.A.1., MEA II.F.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 392
- _____ ⇨ Transparency 8-4A
- _____ Motivating the Lesson, Situational Problem, *TWE*, p. 392

2 TEACH

- _____ In-Class Examples, *TWE*, p. 393
- _____ ⇨ Transparency 8-4B
- _____ Reteaching, Using Tables, *TWE*, p. 394
- _____ ⇨ Study Guide Masters, p. 65
- _____ Alternative Learning Styles, Kinesthetic, *TWE*, p. 392
- _____ ⇨ Graphing Calculator Masters, p. 8
- _____ ⇨ Interactive Mathematics Tools Software, 8-4

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 394

Homework Assignments

- _____ Core: 13–31 odd, 32, 33, 35–40
- _____ Enriched: 12–30 even, 32–40
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 759
- _____ ⇨ Practice Masters, p. 65
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 72

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 395
- _____ Extension, Using Connections, *TWE*, p. 395
- _____ ⇨ Enrichment Masters, p. 65
- _____ ⇨ Group Activity Card 8-4

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components

8-5 Lesson Planning Guide (pp. 396–399)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-5: Solve problems by using graphs.
- _____ **South Carolina Math Curriculum Standards, Grade 8: NO III.C.1., ALG I.B.1., ALG I.C.1., ALG III.A.1., ALG IV.A.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 1-3, 6-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 396
- _____ ⇨ Transparency 8-5A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 397

2 TEACH


- _____ In-Class Examples, *TWE*, p. 397
- _____ ⇨ Transparency 8-5B
- _____ Reteaching, Using Questioning, *TWE*, p. 397
- _____ ⇨ Study Guide Masters, p. 66
- _____ Alternative Teaching Strategies, Reading Mathematics, *TWE*, p. 396

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 398
- _____ Error Analysis, *TWE*, p. 398

Homework Assignments

- _____ Core: 6–17
- _____ Enriched: 6–17
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 759
- _____ ⇨ Practice Masters, p. 66
- _____ ⇨ Tech Prep Applications Masters, p. 15
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 73

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 399
- _____ Self Test, *SE*, p. 399
- _____ ⇨ Assessment and Evaluation Masters, Quiz B, p. 211
- _____ ⇨ Assessment and Evaluation Masters, Mid-Chapter Test, p. 210
- _____ Extension, Business Application, *TWE*, p. 398
- _____ ⇨ Enrichment Masters, p. 66
- _____ ⇨ Activity Masters, p. 22
- _____ ⇨ Group Activity Card 8-5

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8-6 Lesson Planning Guide (pp. 400–404)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-6: Find the slope of a line.
- _____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.C.1., ALG II.B.1., ALG III.A.1., ALG IV.A.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 5-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 400
- _____ ⇨ Transparency 8-6A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 400

2 TEACH


- _____ In-Class Examples, *TWE*, p. 401
- _____ ⇨ Transparency 8-6B
- _____ Reteaching, Using Comparison, *TWE*, p. 402
- _____ ⇨ Study Guide Masters, p. 67
- _____ Alternative Learning Styles, Visual, *TWE*, p. 400
- _____ Cooperative Learning, Group Discussion, *TWE*, p. 401
- _____ ⇨ Interactive Mathematics Tools Software, 8-6
- _____ Math Lab 8-6B, *SE*, p. 405

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 402
- _____ Error Analysis, *TWE*, p. 403

Homework Assignments

- _____ Core: 15–33 odd, 34–35, 37–43
- _____ Enriched: 16–32 even, 34–43
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 760
- _____ ⇨ Practice Masters, p. 67
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 74

4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 404
- _____ Extension, Using Discussion, *TWE*, p. 403
- _____ ⇨ Enrichment Masters, p. 67
- _____ ⇨ Activity Masters, p. 8

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8-7 Lesson Planning Guide (pp. 406–410)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-7: Graph a linear equation using the x - and y -intercepts or using the slope and y -intercept.
- _____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.C.1., ALG III.A.1., ALG IV.A.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 406
- _____ ⇨ Transparency 8-7A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 406

2 TEACH


- _____ In-Class Examples, *TWE*, p. 407
- _____ ⇨ Transparency 8-7B
- _____ Reteaching, Using Questioning, *TWE*, p. 408
- _____ ⇨ Study Guide Masters, p. 68
- _____ ⇨ Math Lab and Modeling Math Masters, p. 66
- _____ ⇨ Interactive Mathematics Tools Software, 8-7
- _____ Math Lab 8-7B, *SE*, p. 411

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 408
- _____ Error Analysis, *TWE*, p. 409

Homework Assignments

- _____ Core: 17–45 odd, 46–53
- _____ Enriched: 18–42 even, 43–53
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 760
- _____ ⇨ Practice Masters, p. 68
- _____  *South Carolina Parent and Student Study Guide Workbook*, p. 75

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 410
- _____ ⇨ Assessment and Evaluation Masters, Quiz C, p. 212
- _____ Extension, Using Cooperative Groups, *TWE*, p. 410
- _____ ⇨ Enrichment Masters, p. 68
- _____ ⇨ Group Activity Card 8-7

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components

8-8 Lesson Planning Guide (pp. 412–416)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-8: Solve systems of linear equations by graphing.
- _____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.C.1., ALG II.B.1., ALG III.A.1., ALG IV.A.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 412
- _____ ⇨ Transparency 8-8A
- _____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 412

2 TEACH


- _____ In-Class Examples, *TWE*, p. 413
- _____ ⇨ Transparency 8-8B
- _____ Reteaching, Using Models, *TWE*, p. 414
- _____ ⇨ Study Guide Masters, p. 69
- _____ ⇨ Interactive Mathematics Tools Software, 8-8

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 414
- _____ Error Analysis, *TWE*, p. 415

Homework Assignments

- _____ Core: 15–39 odd, 40–46
- _____ Enriched: 14–34 even, 35–46
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 760
- _____ ⇨ Practice Masters, p. 69
- _____ ⇨ Real-World Applications, 17
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 76

4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 416
- _____ Extension, Consumer Awareness, *TWE*, p. 416
- _____ ⇨ Enrichment Masters, p. 69
- _____ ⇨ Group Activity Card 8-8

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components

8-9 Lesson Planning Guide (pp. 418–422)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 8-9: Graph linear inequalities.
_____ **South Carolina Math Curriculum Standards, Grade 8: ALG I.B.1., ALG I.C.1., ALG III.A.1.**
_____ State/local objectives: _____

NCTM Curriculum Standards: 2, 3, 6-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 418
_____ ⇨ Transparency 8-9A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 419

2 TEACH

- _____ Math Lab 8-9A, *SE*, p. 417
_____ In-Class Examples, *TWE*, p. 419
_____ ⇨ Transparency 8-9B
_____ Reteaching, Using Charts, *TWE*, p. 420
- _____ ⇨ Study Guide Masters, p. 70
_____ ⇨ Math Lab and Modeling Math Masters, p. 83

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 420
_____ Error Analysis, *TWE*, p. 421

Homework Assignments

- _____ Core: 19–43 odd, 44, 45, 47, 49–56
_____ Enriched: 20–42 even, 44–56
_____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 761
_____ ⇨ Practice Masters, p. 70
- _____ ⇨ Tech Prep Applications Masters, p. 16
_____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 77

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 422
_____ ⇨ Assessment and Evaluation Masters, Quiz D, p. 212
_____ ⇨ Enrichment Masters, p. 70
- _____ Extension, Using Cooperative Groups, *TWE*, p. 422
_____ ⇨ Multicultural Activity Masters, p. 16
_____ ⇨ Group Activity Card 8-9

Review and Assessment Options

- _____ Chapter 8 Highlights, *SE*, p. 423
_____ Chapter 8 Study Guide and Assessment, *SE*, pp. 424-426
_____ Chapter 8 Alternative Assessment, *SE*, p. 427
_____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 78
_____ ⇨ *South Carolina PACT Workbook and Test Preparation, Grade 8*
_____ ⇨ Assessment and Evaluation Masters, Chapter 8 Tests, pp. 197–208; Performance Assessment, p. 209; Standardized Test Practice, p. 213; Cumulative Review, pp. 214–215
- _____ Chapter 8 Test, *SE*, p. 781
_____ ⇨ Test and Review Software
_____ ⇨ *MindJogger Videoquizzes*, Chapter 8
_____ ⇨ *State Test Preparation CD-ROM*

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