Teacher's Name _____ Class _____ Date _____

Lesson Plan 4-4
Determinants and Cramer's Rule pp. 270–277   Day _____

Objectives Find the determinants of 2 × 2 and 3 × 3 matrices. Use Cramer's rule to solve systems of linear equations.

⭐	**TEKS 2A.3.B:** Foundations for functions: use … matrices to solve systems of equations or inequalities.

Pacing
☐ 45-minute Classes: 1 day   ☐ 90-minute Classes: 1/2 day ☐ Other_____

WARM UP
☐ Warm Up TE p. 270 and Warm Up Transparency 4-4
☐ Countdown to TAKS SE Week 8 and Countdown to TAKS Transparency Week 9

TEACH
☐ Lesson Presentation CD-ROM 4-4
☐ Alternate Opener, Exploration Transparency 4-4, TE p. 270
☐ Reaching All Learners TE p. 271
☐ Additional Examples Transparencies 4-4
☐ Teaching Transparency 4-4
☐ *Texas Know-It Notebook* 4-4

PRACTICE AND APPLY
☐ Examples 1-2: Basic: 14–21 Average: 14–21, 30, 32 Advanced: 14–21, 30–32
☐ Examples 1-4: Basic: 14–27, 29, 32–35, 37–39, 44–51 Average: 14–30, 32–41, 44–51 Advanced: 14–28, 30–32, 34–51

REACHING ALL LEARNERS – Differentiated Instruction for students with

Developing Knowledge	On-level Knowledge	Advanced Knowledge	English Language Development
☐ Number Sense TE p. 271	☐ Number Sense TE p. 271	☐ Number Sense TE p. 271	☐ Number Sense TE p. 271
☐ Practice A 4-4 CRB	☐ Practice B 4-4 CRB	☐ Practice C 4-4 CRB	☐ Practice A, B, or C 4-4 CRB
☐ Reteach 4-4 CRB		☐ Challenge 4-4 CRB	☐ *Success for ELL* 4-4
☐ Homework Help Online Keyword: MB7 4-4	☐ Homework Help Online Keyword: MB7 4-4	☐ Homework Help Online Keyword: MB7 4-4	☐ Homework Help Online Keyword: MB7 4-4
☐ *Lesson Tutorial Video* 4-4	☐ *Lesson Tutorial Video* 4-4	☐ *Lesson Tutorial Video* 4-4	☐ *Lesson Tutorial Video* 4-4
☐ Reading *Strategies* 4-4 CRB	☐ Problem Solving 4-4 CRB	☐ Problem Solving 4-4 CRB	☐ Reading *Strategies* 4-4 CRB
☐ Questioning Strategies TE p. 271, 272, 273	☐ Number Sense TE p. 272	☐ Number Sense TE p. 272	☐ Lesson Vocabulary SE p. 270
☐ *IDEA Works!* 4-4			☐ *Multilingual Glossary*

ASSESSMENT
☐ Lesson Quiz, TE p. 277 and Transparency 4-4
☐ Texas Test Prep Online Keyword: MB7 TestPrep