

Lesson Plan 5-4

Completing the Square pp. 341–348 Day _____

Objectives Solve quadratic equations by completing the square. Write quadratic equations in vertex form.



TEKS 2A.5.E: Algebra and geometry: use the method of completing the square.

Pacing

45-minute Classes: 1 day 90-minute Classes: 1/2 day Other _____

WARM UP

- Warm Up TE p. 341 and [Warm Up Transparency 5-4](#)
- Countdown to TAKS SE Week 11 and Countdown to TAKS Transparency Week 11

TEACH

- Lesson Presentation CD-ROM 5-4
- [Alternate Opener, Exploration Transparency 5-4, TE p. 341](#)
- Reaching All Learners TE p. 342
- [Additional Examples Transparencies 5-4](#)
- [Teaching Transparency 5-4](#)
- Texas Lab Manual 5-4*
- [Texas Know-It Notebook 5-4](#)

PRACTICE AND APPLY

- Examples 1-2: Basic: 20–25, 41–49 Average: 20–25, 41–49, 79 Advanced: 20–25, 41–49, 79, 83
- Examples 1-4: Basic: 20–62, 64–70, 72–78, 86–96 Average: 20–80, 83–84, 86–96 Advanced: 20–49, 51–96

REACHING ALL LEARNERS – Differentiated Instruction for students with

Developing Knowledge	On-level Knowledge	Advanced Knowledge	English Language Development
<input type="checkbox"/> Inclusion TE p. 343	<input type="checkbox"/> Communication TE p. 342	<input type="checkbox"/> Communication TE p. 342	<input type="checkbox"/> Communication TE p. 342
<input type="checkbox"/> Practice A 5-4 CRB	<input type="checkbox"/> Practice B 5-4 CRB	<input type="checkbox"/> Practice C 5-4 CRB	<input type="checkbox"/> Practice A, B, or C 5-4 CRB
<input type="checkbox"/> Reteach 5-4 CRB		<input type="checkbox"/> Challenge 5-4 CRB	<input type="checkbox"/> Success for ELL 5-4
<input type="checkbox"/> Homework Help Online Keyword: MB7 5-4	<input type="checkbox"/> Homework Help Online Keyword: MB7 5-4	<input type="checkbox"/> Homework Help Online Keyword: MB7 5-4	<input type="checkbox"/> Homework Help Online Keyword: MB7 5-4
<input type="checkbox"/> Lesson Tutorial Video 5-4	<input type="checkbox"/> Lesson Tutorial Video 5-4	<input type="checkbox"/> Lesson Tutorial Video 5-4	<input type="checkbox"/> Lesson Tutorial Video 5-4
<input type="checkbox"/> Reading Strategies 5-4 CRB	<input type="checkbox"/> Problem Solving 5-4 CRB	<input type="checkbox"/> Problem Solving 5-4 CRB	<input type="checkbox"/> Reading Strategies 5-4 CRB
<input type="checkbox"/> Questioning Strategies TE p. 342, 343, 344	<input type="checkbox"/> Number Sense TE p. 346	<input type="checkbox"/> Visual TE p. 344	<input type="checkbox"/> Lesson Vocabulary SE p. 341
<input type="checkbox"/> IDEA Works! 5-4			<input type="checkbox"/> Multilingual Glossary

ASSESSMENT

- Lesson Quiz, TE p. 348 and [Transparency 5-4](#)
- [Texas Test Prep Online Keyword: MB7 TestPrep](#)