

IRVING INDEPENDENT SCHOOL DISTRICT
Mathematics Instructional Guide - Grade 8 (6th GT)
1st Six Weeks

Revised 4/2003

LEARNING OBJECTIVE Statement of TEKS	TEKS #	TAKS Objective	S TEXTBOOK Resources listed are found in Curriculum Notebook. **Other	ASSESSMENT Connection TAKS 2003
1. Review: Use of powers and exponents.			1-2	
2. Select and use appropriate operations to solve problems and justify the selections. Estimate, find, and justify solutions to application problems using appropriate tables, graphs, and <u>algebraic equations</u> . <i>(Evaluate expressions & find solutions to equations with replacement sets.)</i>	8.2A 8.5A	1 2	1-3	
3. Estimate, find, and justify solutions to application problems using appropriate tables, graphs, and <u>algebraic equations</u> . <i>(Solve one-step equations +, -, , ,)</i>	8.5A	2	1-4, 1-5	
4. Select and use appropriate operations to solve problems and justify the selections. Generate a different representation given one representation of data (table, graph, equation, or verbal description). <i>(Translate verbal phrases to algebraic expressions – including inequalities.)</i>	8.2A 8.4A	1 2	1-6, include teacher made problems for inequalities (see section 1-9 for assistance)	
5. Estimate, find, and justify solutions to application problems using appropriate tables, graphs, and <u>algebraic equations</u> . <i>(Solve two-step equations <u>and</u> one and two-step inequalities.)</i>	8.5A	2	1-7, 1-9	
6. Compare and order rational numbers in various forms including <u>integers</u> . <i>(Graph integers on a number line, compare and order.)</i>	8.1A	1	2-1, 2-2	
7. Add, subtract, multiply, and divide rational numbers in problem situations. Evaluate a solution for reasonableness. <i>(Integers)</i>	8.2B 8.2C	1	2-3, 2-5, 2-6, 2-7, 2-8	
8. Locate and name points on a coordinate plane using ordered pairs of rational numbers.	8.7D	3	2-10	
9. Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships. <i>(Express ratios as fractions and percents.)</i>	8.1B	1	3-1, 3-2	
10. Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships. Compare and contrast proportional and non-proportional relationships. Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates. Use theoretical probabilities and experimental results to make predictions and decisions. <i>(Solve problems involving proportions. Include unit rates.)</i>	8.1B 8.3A 8.3B 8.11B	1 2 2 5	3-3	

The TEKS found in Strand: Underlying Processes and Mathematical Tools - 8.14 A,B,C,D ; 8.15 A,B and 8.16 A,B – are not to be taught or tested in isolation; they are to be integrated throughout the content objectives as an ongoing process. (TAKS Objective 6)

Σ Glencoe Mathematics, Applications & Connections, Course 3

ΣΣ Other Resources in district: Exemplars Activities found on District Intranet; TEXTEAMS Activities; Region 10 WebCCAT Internet TEKS Assessment Question Bank; Middle School w/ Pizzazz notebooks; Understanding Math Software

Also available resources at www.utdanacenter.org/ssi