

IRVING INDEPENDENT SCHOOL DISTRICT
Mathematics Instructional Guide - Grade 8 (6th GT)
5th 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. 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. Evaluate a solution for reasonableness. Use multiplication by a constant factor (unit rate) to represent proportional relationships.	8.1B	1	8-1, 8-2, 8-3, 8-5, 8-6, 3-6 (continued from 4 th 6-weeks)	
	8.3A	2		
	8.3B	2		
	8.2C 8.2D	1		
2. Approximate mentally [and with calculators] the value of irrational numbers as they arise from problem situations (π, $\sqrt{2}$). <i>(Find square roots of perfect squares and estimate square roots of non-perfect squares.)</i> 	8.1C	1	9-1, 9-2	
3. Use pictures and models to demonstrate the Pythagorean Theorem. Use the Pythagorean Theorem to solve real-life problems.	8.7C	3	9-4, 9-5	
	8.9A	4		
4. Find probability of compound events (dependent and independent). Use theoretical probabilities and experimental results to make predictions and decisions. Select and use different models to simulate an event. Evaluate methods of sampling to determine validity of an inference made from a set of data.	8.11A	5	6-6 12-5 Probability Packet	
	8.11B	5		
	8.11C	5		
	8.13A	5		

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/ssj