Looking for Pythagoras -- Unit Planning Overview 8th Grade

Investigations & Assessments	Days	Materials for Students	Materials for Teachers	Transparencies	ACE Questions	Copies for Students	Miscellaneous
1. Locating Points	3	Cm Rulers Grid paper Reproductions of Euclid	1.1A p.112 needed for 1.1-1.3	1.1A-1.3 Transparent centimeter rules Transparency of Labsheet 3.1 Transparent grids	1.1: #1-4, 7, 8 1.2: #1-4, 7, 8 1.3: #5, 6 Additional Practice, p.138-139 Review of geo and area formulas	Additional Practice, p.138-139	Need labsheet 1.3 for 1.1 (may need some extra) Additional Practice, p.138-139 review of Geometry and area formula.
2 Finding Areas & Lengths	4	Labsheet with follow-up ACE SW p.102 Geoboards – useful for some if available Dot paper	Overhead Graphing Calculator	2.1: #1, 3, 8, 9, 13, 14 Transparent Geoboard Transparency of Labsheet 2.1 Transparent Dot Paper	2.1: #1, 3, 8, 9, 13, 14 2.2: #4, 6, 7, 11, 15 2.3: #2, 5, 10, 12	Labsheet 2.1-2.3 Labsheet 2.ACE Dot Paper	Follow-up introduces square root notation ACE 15 asks for both positive and negative square roots
3 Pythagorean Theorem	5	Dot paper Modified copy of chart with dot paper	*Cut out puzzle pieces for student use	3.1-3.4B Transparent grids	3.1: #3-7, 12, 13, 17-18 3.2: #8-11, 20 3.3: #1, 2, 19, 21-26 3.4: #14-16, 27	Dot Paper Labsheet 3.2A-3.2C Labsheet 3.3	
Review/Reflection	1						
Assessment	1						
4. Using the Pythagorean Theorem	4	Graphing Calculators Scissors	Overhead Graphing Calculators	4.1 to 4.3 Transparent Dot Paper Transparency of Labsheet 4.2	4.1: #1, 3, 5, 6 4.2: #2, 4, 7, 10 4.3: #8, 9, 11, 12	Dot paper Labsheet 4.2 (1/pair)	
5. Irrational Numbers	4	Graphing Calculators Scissors	Overhead Graphing Calculators	5.1-5.3 Transparency of Labsheet 5.1	5.1: #9-20 5.2: #1-4, 21-24 5.3: #5-8, 25-31	Labsheet 5.1	
6. Rational and Irrational Slopes	3	Graphing Calculators	Overhead Graphing Calculators	6.1A-6.2 Transparency Dot Paper	6.1: #1-6, 8, 9, 15 6.2: #7, 10-14, 16	Labsheet 6.2 Dot Paper Labsheet 6.ACE1 Labsheet 6.ACE2	
Unit Test	1						Answers on p. 93-94