Mr. Harley Chapter 7 Geometry

SIMILARITY

Ratios, Proportions

P. 354 – 403

OUTCOMES: At the completion of this unit students will be able to:

1. Write, read and solve ratios and proportions.
2. Identify similar polygons.
3. Show triangles are similar. AA, SSS and SAS
4. Use the Triangle Proportionality Theorem and its converse.
5. Use the Mid-segment Theorem.

VOCABULARY

ratio	proportion	means	extremes
a to b	a : b = c : d		
a : b	$\frac{a}{b} = \frac{c}{d}$		
$\frac{a}{b}$			
cross product	equivalent proportions	similar polygons	
aspect ratio	triangle similarity statement	midsegment of a triangle	

ASSIGNMENTS

Sect 7-1: P. 361-363: 1 – 12, 14 – 54 even

Sect 7-2: A. P. 368-369: 1 – 15 all

B. P. 370-371: 17 – 41 all

There will be several quizzes and a review in addition to these assignments

Sect 7-3: P. 375-377: 2 – 20 even, 21 – 26 all, 32 – 36 even

Sect 7-4: A. P. 382-383: 1 – 16 all

B. P. 383-385: 17 -26 all, 32 – 48 even

Sect 7-5: A. P. 390 – 391: 1 – 20 all

B. P. 391-392: 21 -29 all, 34 – 52 even

Sect 7-6: Skip

Chapter 7 Review: P. 400- 403: 1 – 23 all

TEST CHAPTER 7