

**Geometry**  
**Unit 12- Objectives**

**Ketner**

**Objective I - Size Changes**

- a. Be able to draw the image of a figure after an expansion.
- b. Be able to draw the image of a figure after a contraction.
- c. Be able to identify the center of dilation.
- d. Be able to find the scale factor of dilation.

**Objective II - Size Changes with Coordinates**

- a. Be able to find and graph points, in the coordinate plane of a figure after a size change.

**Objective III - Proportions**

- a. Solve real-world problems using proportions.

**Objective IV - Scale Factors**

- a. Identify the relationship between a scale factor,  $k$  and its effect on the area and volume of figures.

**Objective V - Distributed Practice**

Assign. #	Section	Objective	Page and Problem #	# of Probs.	Due Date
1	12.1	Size Changes with Coordinates DP: Ch. 11	Pg. 689 1,5-10,12,13,15 Pg. 680 1-4,25,26	10 6	
2	12.2	Size Changes Size Changes with Coordinates DP: Ch. 11	Pg. 695 4-8,10-16,19 Pg. 697 20,21 Pg. 680 5,6,33	13 2 3	
3	12.4	Proportions Size Changes	Pg. 708 2-10,13-17 Pg. 710 18-21	14 4	
4	12.5	Proportions	Pg. 715 2-17, 20, 21	18	
5	12.6	Scale Factor Proportions	Pg. 721 3-11,13-16 Pg. 723 17-21	13 5	