Geometry Notes	Section 7-1: Ratios and I	Proportions	
*Objective:			
* <u>ratio</u> :			
* <u>extended ratio</u> :			
Got It? 1. A bonsai tree is 18 in. wid What is the ratio of the w	de and stands 2 ft tall. idth of the bonsai to its height?		
Got It? 2. The measures of two sup the measures of the angle	oplementary angles are in the ratio 1 : les?	4. What are	
	of a triangle are in the extended ratio 4 t are the lengths of the sides?	4:7:9. The	
*proportion:	*Example showing Extremes and Means		
*Cross Products Property			
*Words	*Symbols	*Example	

Got It? 4. What is the solution of each proportion?

b.
$$\frac{15}{m+1} = \frac{3}{m}$$

*Properties of Proportions		
*Property	*How to Apply It	
(1)		
(2)		
(3)		

Got It? 5. For parts (a) and (b), use the proportion $\frac{x}{6} = \frac{y}{7}$. What ratio completes the equivalent proportion? Justify your answer.

$$a.\frac{6}{x} = \frac{1}{100}$$

a.
$$\frac{6}{x} = \frac{1}{100}$$
b. $\frac{9}{100} = \frac{y+7}{7}$

In-class: p. 436-438 #16, 42, 46, 50

Homework: p. 436-438 #9-49 (odds only), not #39b or 45 Interactmath: #11, 13, 15, 17, 21, 23, 27, 29, 33, 37, 43, 49