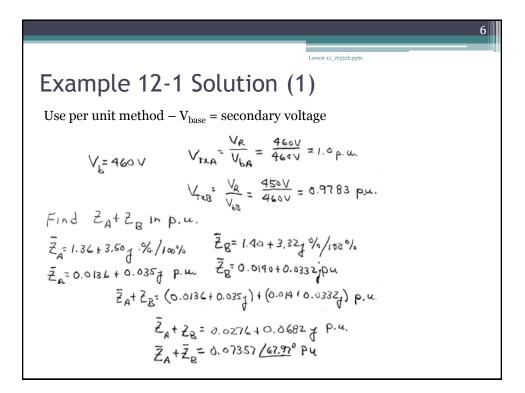
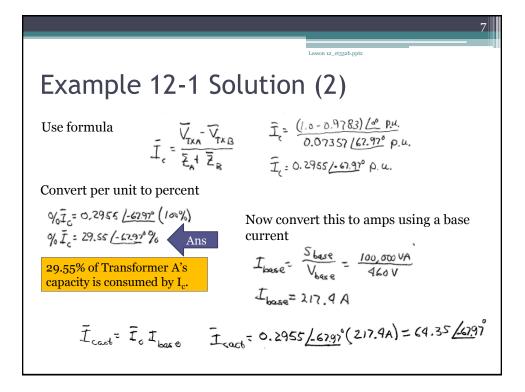
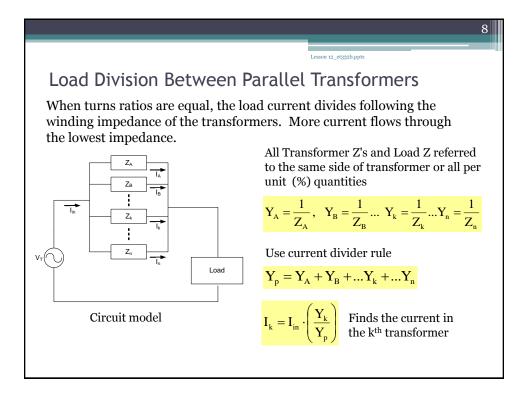
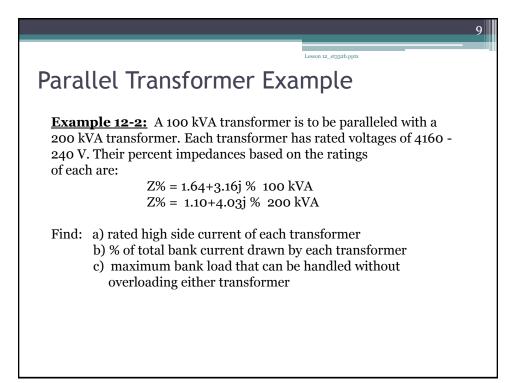


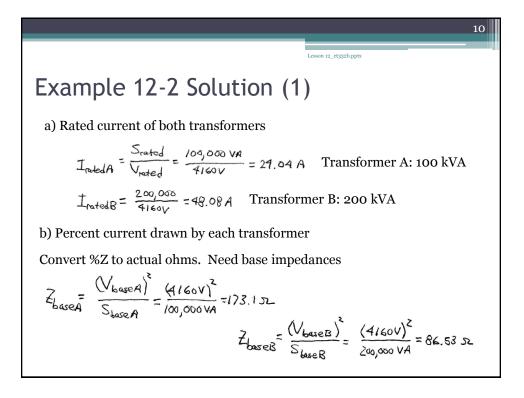
Circulati	ing Current	t Examp	ole	
Example 12- parallel.	<u>1:</u> Two 100 kVA sin	gle phase trar	sformer opera	ated in
Nameplate dat	a:			
Transformer	V-ratio	%R	%X	
А	2300-460	1.36	3.50	
В	2300-450	1.40	3.32	
Find I _c magnit	ude and I _c as percer	nt of transform	ner secondary	ratings

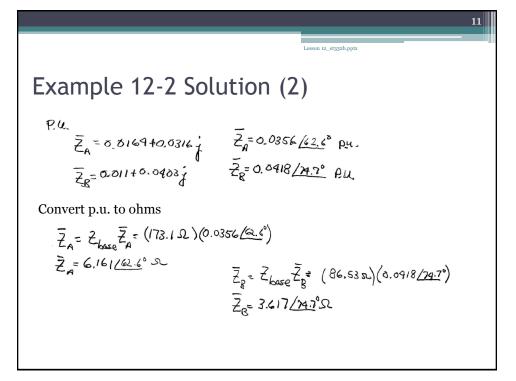












	12			
	Lesson 12_et332b.pptx			
Example 12-2 Solution (3)				
	$S = \frac{1}{\bar{z}_{A}} + \frac{1}{\bar{z}_{B}}$ $S = \frac{1}{6.161162.7^{\circ}} + \frac{1}{3.645174.7^{\circ}}$			
$Y_{p} = 0.1623 (-62.3^{\circ} + 0.2766 (-79.3^{\circ}) S$ $Y_{p} = (0.0749 - 20.1442) + (0.073^{\circ} - 20.2668) S$				
Y= 0.1474- 20.411 S				
Yp= 0. 9366 (70.3°S To	tal admittance.			
	w use current divide rule to find flows through h transformer.			

