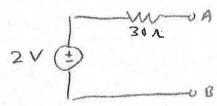
ECE 209 Exam #2 Answer Key

ECF 210-Exam#2 - 1 march 2013

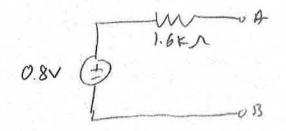
Problem 3!

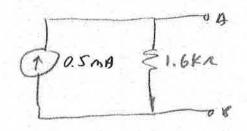


Problem 4: Vo = - (2000 Vm +1)

ECE 209 - Exam #2 - 28 October 2014

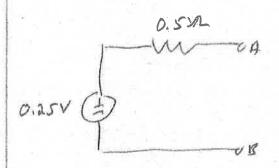
Problem 1!

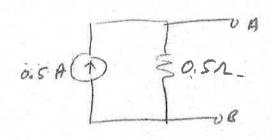




Part C: 1.6KA, 10-4W

Problem 2:





Problem 3: Vour = - VIN

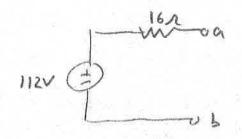
$$\begin{array}{c|cccc}
-5.0 & & & & & & & & & \\
-2.5 & & & & & & & & & \\
0 & & & & & & & & \\
\hline
2.5 & & & & & & & & \\
5.0 & & & & & & & & \\
\end{array}$$

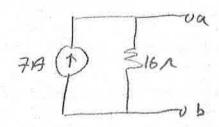
Problem 5: 2UpF, 5mH

Problem 6: Ve = 20 cus (50t) VL = -10 sin (50t)

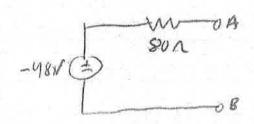
ECE 209 - Exam #2 - 27 February 2015

Problem 21





Problem 3!



Problem 4! Vov = 4Vin

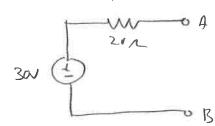
ECE 209 - Exam # 3 - 3 Apr. 1 2015

Problem I: YPF, 75mH

Extra Credit Problem: 10yJ, YuyJ, 24mW

ECE 209 Exam #2 - 29 October 2015

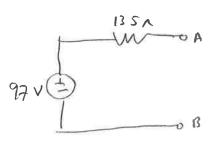
Problem 1:



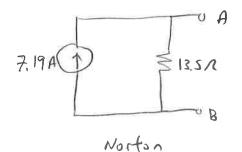
Value of Rithat maximizes Power transfer: 201

Max. Power dusipated by RL: 11.25W

Problem 2;



Thévenin



Problem 3!

Via	VOST	
-41	45V	Saturation
-2V	400	
0 🗸	30V	
21	20 V	
41	10 V	

Problem 4:

140 pF

20 mH