

Homework 3, ECEN 3400, Fall 2013, Covers chapters 9 -10 and 12
Zoya Popovic

Due: Friday, October 11, in class (3pm)

1. P9.18, page 137 in text
2. P10.3, page 155 in text
3. P10.8, page 156 in text
4. P11.11, page 179 in text
5. P12.6, page 202 in text
6. P12.7, page 203 in text
7. Look up the properties of nichrome wire used in many heating elements. I am leaving it up to you to decide what are the 6 most relevant properties as far as an electric heater is concerned. Summarize them in a table. List your source (it cannot be Wikipedia, but you can use it to help you find sources.)

	Property (name)	Number and unit	Why it is relevant
1			
2			
3			
4			
5			
6			

8. Look up the smallest and largest current that electric fuses are manufactured for. What are they made of and how large are they? List your sources, same comment as above.