Name:	_	<u>Due:</u>	
· ·	· ·	in your work, please include this paper (signatul result in a loss of all possible points.	ıre
This assignment consists of the follo	owing problems from the te	xtbook:	
• Section 3.6 #6a			
• Section 4.2 #14			
• Section 5.2 #13			
• Section 6.3 #5			
• Section 8.1 #5d			
-	problem will be graded out	e it asks for justification, it should be a formal proof 6 points for a total of 30 points (see rubric outs on your final exam.	
Since this is part of an exam, you resources. Here is a complete list of	· ·	nyone else; however, you are allowed to use son to consult:	n∈
• The book			
• The screencasts associated with	th the book		
• Your notes from in-class activ	ities		
• Me (Prof Mcclurkin)			
By signing below, I,(print		t I only consulted the book and associated videos	s,
my notes, and Prof McClurkin. I di	d NOT discuss the exam w	ith anyone else before submitting.	
(Signature)	(Date)		

Please submit this paper WITH YOUR EXAM.

## Rubric

I will be grading each of these problems out of 6 points, split up across three areas: readability, validity, fluency. I have taken this rubric from a nationally-used rubric recommended by the Mathematical Association of America.

Category	0	1	2
Readability	Informal or non-mathematical language is used for most of the proof. Most notation/symbols are used incorrectly.	Mostly proper mathematical language and notation is used, but there are some usage errors that obscure understanding.	Proper mathematical language is used everywhere or nearly everywhere. Only small notation errors that do not obscure meaning.
Validity	Significantly inaccurate or irrelevant statements in definitions, theorems, and techniques. Important information not present.	Mostly accurate statements in definitions, theorems, and techniques. May include some unjustified statements, or a lack of connection between a state- ment and its justification.	Completely correct statements in theorems, definitions, and techniques, with clear connections between statements and their justifications.
Fluency	Little to no coherent flow of ideas, or a listing of facts with no connection to the proof at hand.	Somewhat coherent, but with unjustified appeals to intuition. Some improperly justified statements and one or two major jumps in logic.	Correct and complete solution, with a clear flow from each sentence to the next. Elegant and concise.