

GPI Exam 1 Review

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Exam Topics

- Latex
- Terminal
- Vim
- Git



Exam Non-Topics

- Anything only discussed in extratation
- Lab bonuses
- Names of our pets



Exam Format

- ~15 Multiple Choice (1pt each)
- ~10 Short Answer (2pts each)
- Closed book
 - But we will provide man pages for selected commands
- Most people tend to finish early
- It will be curved

How to Study

- Read through the relevant [topic pages](#) on the website
- Read through the [lecture slides](#) on the website
- Redo (or do!) the labs
- Get familiar with the format of man pages
 - We provide them on the exams!

Latex

- Know how to enter math mode and align equations
- Commons commands such as linking, escaping characters, images, etc
- Hopefully you've gotten enough practice with Latex from 15-151!



Terminal Usage

<https://www.cs.cmu.edu/~07131/f22/topics/terminal-usage/files-commands/>

ssh	~	ls	mkdir	-r
scp	.	tree	rmdir	-a
pwd	..	touch	mv	man
cd	/	rm	cp	vim

Vim (philosophy)

- **Why** is vim useful / interesting to you
- **How** do you use vim to be more productive
- **What** is the Vim language “**d**ele**3** **w**ords”
- **What** are modes

Vim (practical editing)

- Be prepared to mentally evaluate sequences of Vim commands and their effect on a buffer (aka file)
- Understand searching and replacing
 - `:%s/foo/bar/gc`
- [This cheatsheet](#) is a good concise reference
 - There is more on this cheatsheet than we've learned!

WARNING!

- Vim commands will not be in the man pages
- You will need to know these

Git

- Understand why git is useful
- You will be expected to provide sequences of git commands to perform common tasks

GOOD LUCK!

