Vim

Buffers

`:bn` / `:bp`	jump to next / previous buffer
`:bw`	close current buffer

Navigation

`set mouse=a`	enable mouse
`h,j,k,l`	left, down, up, right
`gj` / `vk`	down / up displayed line when wrapping
`Ctrl+u` / `+d`	half page up / down
`Ctrl+f` / `+b`	page up / down
`zz` / `zt` / `zb`	center / top / bottom cursor
`Ctrl+E` / `Ctrl+Y`	scroll up / down

History

`:`, `Ctrl+f` or `q:`	show command history
`/`, `Ctrl+f` or `q/`	show search history
`:set history`	show or set number of history elements
`g` / `G`	go to beginning / end of file

Visual

`gv`	reuse last selection

Search and Replace

`:set hlsearch`	highlight search
`:noh`	remove current search highlight
`:set incsearch`	incremental search
`/`	initiate search
`\c`	ignore case
`n` / `N`	jump to next / previous match
`Gn` / `GN`	jump to first / last match
`*` / `#`	search fwd. / rev. for current word
`:%s`	initiate replace %: whole document
`*`	0 or more of the preceeding character
`\+`	1 or more of the preceeding character
`\s` / `\S`	white space / non white space character
`\w`	word character
`[2-3a-z]`	range of characters
`^`	beginning of line, negation in char ranges
`$`	end of line
`\L,\U`	next characters lower/upper case until `\E`
`\l,\u`	next character lower/upper case
`|`	alternation
`\(\)`	capture, reuse with `\1` `\2` `\3`
`\v` / `\V`	turn magic on / off

Windows

`:split` or `:sp` *file*	split current window horizontally
`:vsplit` or `:vsp` *file*	split current window vertically
`Ctrl+ww`	switch to next window
`Ctrl+w h,j,k,l`	switch to another window
`Ctrl+w H,J,K,L`	move current window

Tabs

`:tabs`	list all tabs
`:tabnew`	open a new empty tab
`:tabedit` or `:tabe` *file*	open new tab with *file*
`:tab split`	open new tab with the same buffer
`gt` / `gT`	go to next / previous tab

Folding

`zi`	toggle folding on / off
`za`	toggle folding on / off individually
`zj` / `zk`	move to next / previous folding

LaTeX Box

`\ll`	compile with latexmk
`\lL`	force compile with latexmk
`\ls`	open pdf in viewer
`\lt`	open TOC
`:cope[n]`	open quickfix
`:ccl[ose]`	close quickfix

Completion

`<Ctrl-X><Ctrl-O>`	label completion for `\ref{}` etc.

Bash / Shell

List and find

`ls -lah`	list long, all, human
`ls -Sr` / `-tr`	sort by size / time (r for reverse)
`ls -1 | wc -l`	count files and folders
`ls -1p | grep -v / | wc -l`	count only files
`grep -rlI "abc"`	find files containing "abc" only show file names (l), ignore binary files (I)

Piping and Redirecting

`> file`	redirect stdout to file
`>> file`	redirect stdout to file (append)
`2> file`	redirect stderr to file
`> file 2>&1`	redirect stdout and stderr to file
`2>&1 | tee -a file`	redirect stderr to stdout, pipe both to tee and write to file (-a for append)

SSH / SFTP

`ssh -YC`	X11 forwarding
`ssh -p` *port*	specify ssh port
`ssh -L` *port:host:hostport*	bind local port to hostport
`sftp -P` *port*	specify sftp port

1.create key

Git

`reset`	unstage / unadd
`reset --hard`	reset everything to last commit
`clean -dfx`	clean working directory
`checkout -- file`	reset file to last committed state
`checkout -b branch`	create new branch `branch` and c.o.

2.something something submodules

git remote

`remote -v`	list remotes with url
`add name url`	add remote
`set-url name url`	change `url` of remote `name`