Ex Quick Reference

Entering/leaving ex

% ex *name*	edit *name*, start at end
% ex +*n name*	... at line *n*
% ex −t *tag*	start at *tag*
% ex −r	list saved files
% ex −r *name*	recover file *name*
% ex *name* **...**	edit first; rest via **:n**
% ex −R *name*	read only mode
: x	exit, saving changes
: q!	exit, discarding changes

Ex states

Command	Normal and initial state. Input prompted for by **:**. Your kill character cancels partial command.
Insert	Entered by **a i** and **c**. Arbitrary text then terminates with line having only **.** character on it or abnormally with interrupt.
Open/visual	Entered by **open** or **vi**, terminates with **Q** or **^**.

Ex commands

abbrev	**ab**	next	**n**	unabbrev	**una**
append	**a**	number	**nu**	undo	**u**
args	**ar**	open	**o**	unmap	**unm**
change	**c**	preserve	**pre**	version	**ve**
copy	**co**	print	**p**	visual	**vi**
delete	**d**	put	**pu**	write	**w**
edit	**e**	quit	**q**	xit	**x**
file	**f**	read	**re**	yank	**ya**
global	**g**	recover	**rec**	*window*	**z**
insert	**i**	rewind	**rew**	*escape*	**!**
join	**j**	set	**se**	*lshift*	**<**
list	**l**	shell	**sh**	*print next*	CR
map		source	**so**	*resubst*	**&**
mark	**ma**	stop	**st**	*rshift*	**>**
move	**m**	substitute	**s**	*scroll*	**^D**

Ex command addresses

n	line *n*	*/pat*	next with *pat*
.	current	**?***pat*	previous with *pat*
$	last	*x-n*	*n* before *x*
+	next	*x,y*	*x* through *y*
−	previous	**´***x*	marked with *x*
+*n*	*n* forward	**´´**	previous context
%	1,$		

Specifying terminal type

% setenv TERM *type*	*csh* and all version 6
$ TERM=*type***; export TERM**	*sh* in Version 7
See also *tset*(1)	

Some terminal types

2621	43	adm31	dw1	h19
2645	733	adm3a	dw2	i100
300s	745	c100	gt40	mime
33	act4	dm1520	gt42	owl
37	act5	dm2500	h1500	t1061
4014	adm3	dm3025	h1510	vt52

Initializing options

EXINIT	place **set**'s here in environment var.
set *x*	enable option
set no*x*	disable option
set *x=val*	give value *val*
set	show changed options
set all	show all options
set *x***?**	show value of option *x*

Useful options

autoindent	ai	supply indent
autowrite	aw	write before changing files in scanning
ignorecase	ic	
lisp		( ) { } are s-exp's
list		print ^I for tab, $ at end
magic		. [* special in patterns
number	nu	number lines
paragraphs	para	macro names which start ...
redraw		simulate smart terminal
scroll		command mode lines
sections	sect	macro names ...
shiftwidth	sw	for < >, and input ^D
showmatch	sm	to) and } as typed
slowopen	slow	choke updates during insert
window		visual mode lines
wrapscan	ws	around end of buffer?
wrapmargin	wm	automatic line splitting

Scanning pattern formation

↑	beginning of line
$	end of line
.	any character
\\<	beginning of word
\\>	end of word
[*str***]**	any char in *str*
[↑*str***]**	... not in *str*
[*x−y***]**	... between *x* and *y*
*****	any number of preceding

Vi Quick Reference

Entering/leaving vi

% vi *name*	edit *name* at top
% vi +*n name*	... at line *n*
% vi + *name*	... at end
% vi −r	list saved files
% vi −r *name*	recover file *name*
% vi *name* **...**	edit first; rest via **:n**
% vi −t *tag*	start at *tag*
% vi +/*pat name*	search for *pat*
% view *name*	read only mode
ZZ	exit from vi, saving changes
^Z	stop vi for later resumption

The display

Last line	Error messages, echoing input to **:** / **?** and **!**, feedback about i/o and large changes.
@ lines	On screen only, not in file.
~ lines	Lines past end of file.
^*x*	Control characters, ^? is delete.
tabs	Expand to spaces, cursor at last.

Vi states

Command	Normal and initial state. Others return here. ESC (escape) cancels partial command.
Insert	Entered by **a i A I o O c C s S R**. Arbitrary text then terminates with ESC character, or abnormally with interrupt.
Last line	Reading input for **:** / **?** or **!**; terminate with ESC or CR to execute, interrupt to cancel.

Counts before vi commands

line/column number	**z G |**
scroll amount	**^D ^U**
replicate insert	**a i A I**
repeat effect	most rest

Simple commands

dw	delete a word
de	... leaving punctuation
dd	delete a line
3dd	... 3 lines
i*text*ESC	insert text *abc*
cw*new*ESC	change word to *new*
ea*s*ESC	pluralize word
xp	transpose characters