RegEx Cheat Shit

Matchers

a → a	`.` → any character
`[abc]` → a or b or c	`[a-z0-9]` → a thru z 0 thru 9
`[^a-z]` → anything BUT a thru z	
`^` → beginning of line	`$` → end of line

\ escapes special chars, e.g. "\." matches ".", "\\" matches "\" etc.
Example:

Multipliers

`?` → 0 or 1	
`*` → 0 or more	`+` → 1 or more
`{m}` → exactly m	`{m,n}` → from m to n, inclusive

Example: `[a-zA-Z_0-9]+@[^\.]\..*[^\.]` is a reasonable e-mail matcher (far from perfect)

Grouping

() → Groups a match with index from 1 to 9. 0 is the full match.
Example: `([0-9]{2}):([0-9]{2})` for 12:51 → `$0`="12:51", `$1`="12", `$2`="51"
`(…)|(…)` - alternate, e.g. `(foo)|(bar)` matches either foo OR bar

SED Adaptations

`sed [-i] 's/REGEX/REPLACEMENT/g' FILNAME`

Regex	SED
`+`	`\+`
`( )`	`\( \)`
`\`	`\\`

Regex	SED
`?`	`\?`
`|`	`|`
`/`	`\/`

Regex	SED
`{ }`	`\{ \}`
`$1..$9`	`\1..\9`

Example: `sed -i 's/\\/\//g' win-paths.txt`
Will replace all backslashes in win-paths.txt to slashes

Note: Use quotes or you will have to do double escaping, e.g. \\\\ instead of \\