Shebang! (first line of a script)	**#!/bin/bash**	**#!/bin/tcsh**
Multiple commands on the same line (semicolon)	**command1; command2; command3**	
Extending commands across multiple lines (backslash)	**command1 argument | command2 | command3 | \** **command 4 | command5 > file**	
Variable assignment	**VAR=”Here is a string”**	**set VAR=”Here is a string”**
Setting environment variables	**export VAR=”Here is a string”** *No spaces around the = sign!*	**setenv VAR “Here is a string”** *No = when using setenv!*
Unsetting a variable	**unset VAR**	**unset VAR**

If statements
 	
Can use == != && || and others.
String sorting with < and >
	if [[$VAR1 == $VAR2]]; then
	** echo "True"**
	else
	** echo "False"**
	fi
		if ($VAR1 == $VAR2) then
		** echo "True"**
		else
		** echo "False"**
		endif

If statements with file property testing (see property table below)	**if [[-d $VAR]]; then**
	** echo "Directory!**
	fi
		if (-d $VAR) then
		** echo "Directory!"**
		endif

Passing arguments to a script	**myscript.sh arg1 arg2 arg3 … argN**	
Corresponding variables	**$1 $2 $3 … $N**	
Assigning command output to variables (backtick)	**VAR=`command1; command2; command3` (bash)** **Set VAR=”`command1; command2; command3`” (tcsh)**	
String replacement	**NEWVAR=${VAR/search/replace}**	**set NEWVAR=** **"$VAR:gas/search/replace/"**

For loop on a list	**for i in 1 2 3 4 5; do**
	** echo $i**
	done
		foreach i (1 2 3 4 5)
		** echo $i**
		end

For loop using wildcards	**for i in *.in; do**
	** touch ${i/.in/.out}**
	done
		foreach i (*.in)
		** touch "$i:gas/.in/.out/"**
		end

For loop using commands	**for i in `cat files`; do**
	** grep "string" $i >> list**
	done
		foreach i (`cat files`)
		** grep "string" $i >> list**
		end

Test	**bash**	**tcsh**
Is a directory	-d	-d
If file exists	-a,-e	-e
Is a regular file (like .txt)	-f	-f
Readable	-r	-r
Writeable	-w	-w
Executable	-x	-x
Is owned by user	-O	-o
Is owned by group	-G	-g
Is a symbolic link	-h, -L	-l
If the string given is zero length	-z	-z
If the string is length is non-zero	-n	-s