**MIP 280A4: Microbial sequence analysis**

**Command-line computing part #2, In-class exercise questions**

1. For your user on thoth01, what is the value of the SHELL variable? (1 pt)
2. Match the command with its function (1 pt each)

cat

cd

cp

echo

grep

head

less

ls

man

mkdir

mv

pwd

rm

rmdir

tail

Search for a pattern in the input

Output the first lines of a file

Display the manual page for a shell command

Copy files or directories

Output your present working directory

Change your present working directory

Move or rename files or directories

Pages through a file

Output the contents of a file or files

Create a new directory

List the contents of a directory

Output some text

Output the last lines of a file

Remove a file or directory

Remove an empty directory

1. What is the difference between the > and >> output redirection operators? (1 pt)
2. What command did you run to capture all of the files in /usr/bin on thoth01 that have 2-character names in a new file in your home directory named 2\_char\_commands.txt? (1 pt)
3. In Linux, what is a path? (1 pt)
4. In Linux, what is the PATH? (1 pt)
5. What command could you run to show you the value of your PATH? (1 pt)