

# Benchmark UNIX & Base Conversions

## Practice and Review

CSE 1310

If you are not familiar with how to use LockDown Browser with Monitor and the Scientific Calculator in LockDown Browser, then you should take the Practice Quiz **FIRST** as many times as needed.

### 1. Number conversions

Use the Scientific Calculator in LockDown Browser (you learned how to access and use it in the Practice quiz) to calculate your answers.

#### a. from base 10 to other bases

Question

Convert  $326_{10}$  to base 7

Answer

644

Just write the result – you should not add the new base value – your answer is only the number. Canvas is auto grading and is only looking for the answer – not the base notation.

#### b. from other bases to base 10

Question

Convert  $391_{13}$  to base 10

Answer

625

Just write the result – you should not add the new base value – your answer is only the number. Canvas is auto grading and is only looking for the answer – not the base notation.

### 2. UNIX questions over the following commands

| Command                      | Meaning                                     |
|------------------------------|---|
| <code>ls</code>              | list files and directories                  |
| <code>mkdir directory</code> | make a <i>directory</i>                     |
| <code>cd directory</code>    | change to named <i>directory</i>            |
| <code>cd</code>              | change to home directory                    |
| <code>cp file1 file2</code>  | copy <i>file1</i> and call it <i>file2</i>  |
| <code>mv file1 file2</code>  | move or rename <i>file1</i> to <i>file2</i> |
| <code>rm file1</code>        | remove/delete <i>file1</i>                  |
| <code>rmdir directory</code> | remove a <i>directory</i>                   |

|                                 |  |
|---------------------------------|--|
| <code>clear</code>              | clears the screen  |
| <code>more file1</code>         | display <code>file1</code> a page at a time                |
| <code>cat file1</code>          | displays the entire contents of <code>file1</code> at once |
| <code>pwd</code>                | prints the current working directory                       |
| <code>man <i>command</i></code> | display the manual for the given <i>command</i>            |