CS 32, Spring 2013 Hw2: 50 total points Print this form, staple loose pages together, and write your answers on it. Accepted: script by `turnin` before your lab section on Wednesday, April 24, plus this paper at the beginning of your lab section on April 24. No email submission allowed. Name (1 pt): _____ Umail (1 pt): _____@umail.ucsb.edu 2:00 Lab Section (1 pt) Circle one: 1:00 Add the following features to the lw script from Lab02. For each one, either place a check mark on the line if you (and your partner) successfuly incorporated that feature, or write a brief explanation in the space instead. 1. (10 pts.) Add a usage direction to the user. Display it if the user does not enter any command line arguments. Also exit, signaling 1 (error value) to the operating system (`exit 1`). Results should match the following: bash-4.2\$./1w usage: ./lw DirectoryName bash-4.2\$ echo \$? 1 By the way, use \$0 to print the script name properly in the usage message. #1 done: (check, or say why not) 2. (27 pts. - 9 each) Add the following error checks/messages as instructed. a. Verify the file exists. Match this error message and exit code: bash-4.2\$./lw nonsense there is no directory named nonsense bash-4.2\$ echo \$? 2 #2a. done: ____ b. Verify the file is readable. Match this message and exit code: bash-4.2\$./lw /root
you do not have permission to read /root bash-4.2\$ echo \$? 3 #2b. done: _____

3:00

c. Verify the file is a directory. Match this message and exit code: bash-4.2\$./lw lw
lw is not a directory bash-4.2\$ echo \$? 4 #2c. done: ____ 3. (10 pts.) Enhance the information printed when a run is successful, as in the following sample runs: bash-4.2\$ whoami cs32

bash-4.2\$./lw ~/labs items in /cs/class/cs32/labs that are writable by cs32: lab01: directory lab02: directory bash-4.2\$./lw /
items in / that are writable by cs32: tmp: sticky directory
bash-4.2\$ echo \$? Λ

Clarification/hints for problem 3:

(a) Precede the list with a message that includes the full name of the

- directory, not the argument string, and includes the \$USER string.
 (b) Use the file command (`file \$1`) to print the writable file names along with their types indented 3 spaces from the left in the list of files.
- (c) The default exit code is 0.

#3 done: ____

End of Hw2

Turn-in instructions:

A. Use the turnin program to submit the lw script as follows:

turnin hw2@cs32 lw

If you worked with a partner, then just turn in one copy for both of you, and enter your partner's name on the following line:

B. Each student must turn in this completed paper at your next lab.