CIS 90 – Practice Test 3 - Fall 2008   Name _____
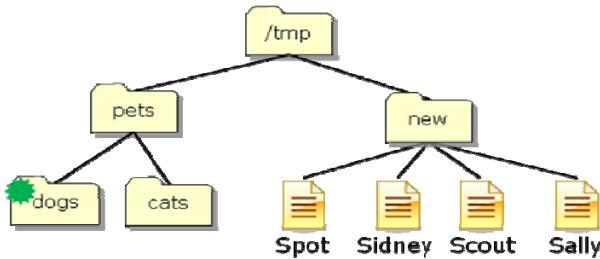
35 points

1. What complete command (with no ";"s) **counts** all the files belonging to you on the system, places a sorted list of them in the file *allmine*, and redirects error messages to the bit bucket?

    _____

2. Given the file *problems* contains:

    2+2
    5/0

    What complete command using `bc` would input the math problems in *problems*, append the calculated answers to the file answers and write any errors to the file *errors*?

    _____

3. Given this directory structure:

    If your current working directory is *dogs*, what single command using filename expansion characters would move just the files *Scout* and *Sally* to the *dogs* directory ?

    _____

4. What permission is lacking that prevents you from viewing */boot/grub/grub.conf*?

    _____

5. What single command could be used to mail yourself the misspelled words in all of Shakespeare's sonnets with a subject of "To Review"?

    _____

6. What is a program called when it is loaded into memory by the kernel?

   _____

7. What system call is used to create a child process that is identical with the parent process except it has different PID?

   _____

8. What command would show just the processes belonging to you?

   _____

9. After issuing a `sleep 15` command, how would you suspend then resume that command in the same terminal session?

   _____

10. How would you run two `sleep 20` commands in the background and then list both of the background jobs before they completed?

    _____

    _____

    _____

11. What command shows the special keystrokes, including the keystroke used to suspend a command?

    _____

12. After running the `app` program on Opus, what steps need to be taken for app to clean up and gracefully exit?

    _____

    _____

    _____

13. After running the `app` program on Opus, what command will terminate the app process is a way that the process is not allowed to cleanup and gracefully exit?

    _____

14. What command would email you a "Time for tea" message at teatime with the subject "Reminder"

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_____

15. In the vi editor in insert mode, what keystrokes will save your work and exit?

_____

16. In the vi editor in command mode, what command will delete the next 10 lines?

_____

17. In the vi editor in command mode, what command will change to insert mode?

_____

18. In the vi editor in command mode, what command will copy the next five lines to the vi clipboard?

_____

19. What command would check the spelling of the text file *small_town* and put any misspelled words in a file called *errors*?

_____

20. How would you set up a personal dictionary for the spell command to use and add the word *Benji*?

_____

21. What command will list all the environment variables?

_____

22. What commands create a variable named *light*, set its value to *brightest*, and make the variable available to child processes?

_____

23. What command would allow typing `woof` to perform the `who` command?

_____

24. What must be done so that the woof command described previously will be available to child shells and future login sessions?

_____

25. What are the names of the two script files used to setup a user's unique shell environment?

_____

26. What command add /home/roddyduk/bin to your path?

_____

27. If a script file contains:
    light=dim
    what is the value of light after running the script?

_____

28. If a script file contains:
    light=dim
    what is the value of light after sourcing the script with the source or . command?

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29. What command will show all the print jobs waiting to be printer?

_____

30. What command will delete a pending print job?

_____

31. (5 points) Write a short script named *color* that asks the user for a color, creates a file named with the color and the current date (.e.g. blue-mm-dd-yyyy), then appends the color to that file. Running the script would look like:

    $ color
    Please give me a color: blue
    $ ls blue*
    blue-12-09-2008
    $ cat blue*
    blue

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