Midterm review

Basics:
  a) You should be able to do all the exercises that we did in class.
     Example: write the code to accomplish:
     \texttt{ls > output; more output}
  
  b) You should be able define any terms we covered in class.
     Examples: What is an asynchronous exception?
     What is meant by virtual machine?

Some Sample Questions:
1. How many output lines does this program print?

   \begin{verbatim}
   void doit() {
     if (fork() == 0) {
       fork();
       printf("hello\n");
     }
     printf("hello\n");
     return;
   }

   int main() {
     doit();
     printf("hello\n");
     exit(0);
   }
   \end{verbatim}

2. Chapter 8 questions: 8.7, 8.12, 8.18

3. Chapter 5 questions: 5.3, 5.6, 5.9, 5.14, 5.19


Example questions for the Basics:

5. From a program p, write the code required to issue the command
   \texttt{ls > output; more output}
   from p.

6. Write a program to install a signal handler that will exit the program only if control-c is
   pressed three times.

7. What is the difference between an asynchronous and synchronous exception?

8. What is the difference between concurrent and parallel?