"Be able to" list for Final or Big Exam

Be able to do the "be able to" list for Quiz 1
Be able to do the "be able to" list for Quiz 2

Chapter 9
1. Traps
   a. Calling TRAP routines (a list will be provided)
   b. How TRAP routines return to "caller"
2. Subroutines
   a. JSR and JSRR
   b. Subroutine argument
   c. Saving registers

Stacks and their use
1. Stacks
   a. PUSH and POP
   b. Implementation of stack using R6
2. Arithmetic expressions evaluation with stacks
3. Function implementation
   a. R5 as the frame pointer
   b. Stack frame (activation record)
      i. Arguments
      ii. Return value slot
      iii. R7 – saved return point
      iv. R5 – saved frame pointer
      v. Local variables

For C, be able to say what the following program does when 7 and 3 are entered as input.

```
#include <stdio.h>
main() {
    int x, y, z ;
    scanf("%d", &x) ;
    scanf("%d", &y) ;
    z = x/y + 5 ;
    x = x*y ;
    printf("Your results are %d and %d", x, y) ;
}
```

Format – The Final or Big Quiz will be seven pages long.
Two pages will be similar to Quiz 1.
Two pages will be similar to Quiz 2.
Three pages will be split between new topics and comprehensive questions.