#1. Which type of cache is more efficient for programs which may perform many writes to the same temporary short-lived variables that do not need to be saved.

#2. List 3 ways/events which would cause a context switch to occur.

1) 
2) 
3) 

#3. Given the following program, reorder the printf lines so that the values that are printed are sorted from smallest to largest.

```c
int x = 5;

int main( int argc, char *argv[] ) {
    int a;
    static int b;

    /* 1 */ (void) printf( "a --> %p\n", &a );
    /* 2 */ (void) printf( "b --> %p\n", &b );
    /* 3 */ (void) printf( "x --> %p\n", &x );
    /* 4 */ (void) printf( "argc --> %p\n", &argc );
    /* 5 */ (void) printf( "main --> %p\n", main );
    /* 6 */ (void) printf( "malloc --> %p\n", malloc(50) );
}
```

This line number would print the smallest value

This line number would print the largest value

(over)
What question would you most like to see on the Final Exam?