The problem numbers refer to OSPP, version 0.4.

1. Chapter 12, problem 6. Assume one platter with two disk heads, and we only need your result accurate to 1%.

2. Chapter 13, problem 3

3. Chapter 14, problem 2. When is it safe to release a read-only lock in a transaction? Before other (read/write) locks in the same transaction are acquired? After all locks are acquired, but before the transaction commits? Only after the transaction commits? By safe, we mean: transactions remain serializable. Justify your answer.

4. Chapter 14, problem 7