Homework 2

Homework Maths 2

1. Modular arithmetic - you just need to find examples, you don't need to prove anything.
   a) Is it true that all odd squares are ≡ 1 (mod 8) ?
   b) what about even squares (mod 8) ?
2. What do you understand by
   a) O(n)
   b) O(1)
   c) O(log n)

For a proof size, which of these would you want ?