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 ?