Homework 6

Please submit your solutions to the email address 7ccsmsen at gmail dot com. Please submit only one homework per email. Please also submit only ASCII text or PDFs. Every solution should be preceded by the corresponding question, like:

Qn**:**	**…a difficult question from me…**
A:	**…an answer from you …**
Q$n+1$	**…another difficult question…**
A:	**…another brilliant answer from you…**

Solutions will only be accepted until 20th December!

1. Explain briefly the purpose of the certification authority in the public-private key encryption scheme.

2. Explain briefly what is meant by a certification authority becoming "too big to fail" when it has issued a large number of certificates.

3. In which situations does it make sense to install invalid (self-signed) certificates?

4. **(Optional)** This question is for you to provide regular feedback to me, for example what were the most interesting, least interesting, or confusing parts in this lecture? Is there anything you like to have improved or explained in the handouts? Please feel free to share any other questions or concerns.