**Week 2 Seminar Questions**

1. How to use a cryptographic hash function to explain the two security properties, hiding and binding.

2. Examine the two properties in the digital signature scheme.

3. Explain how to use public keys, *pk*, as identities.

4. When was the last Bitcoin halving? How much BTC will be given to the block reward after that halving?

5. Is Bitcoin Mining Wasteful?

6. Are Mining Pools beneficial? Explain the pros and cons.