Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CM: \_\_\_\_\_\_\_\_ Grade: \_\_\_\_\_\_ / 10

1. (0) Fun question

**Bitcoin**

1. (4) What are the four important properties of Bitcoin?
2. (1) What is a Proof of Work problem, and how are they effective in preventing spam and DoS attacks?
3. (1) \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are two problems with transferring Bitcoins.
4. (1) Explain how Bitcoin prevents double spending of a coin:
5. (1) What creates “value” for Bitcoins?
6. (1) How is Hashcash (specifically the POW) related to Bitcoin Mining? What is different in Bitcoin than in Hashcash?
7. (1) What does the phrase “…computationally impractical to reverse” mean?
8. (0) Describe one thing that intrigued you about Bitcoin.
9. (0) Any lingering questions? If none, please write “None”.