

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Homework 4

Answer the questions in the spaces provided. If you run out of room for an answer, continue on the back of the page

Question:	1	2	3	4	5	6	7	Total
Points:	5	5	5	25	20	20	20	100
Score:								

1. (5 points) The \_\_\_\_\_ involves pushing complexity into the middle.
2. (5 points) Which of the following is an attribute of Turing Complete languages?
  - A. A form of conditional repetition or jump
  - B. An IDE
  - C. Syntax and Style
  - D. A stack
3. (5 points) Circle the three types of nodes in Merkle Patricia Trees
  - A. NULL (empty string)
  - B. A two-item array (kv node)
  - C. A 17-item array (diverge or branch node)
  - D. Hash Pointer (SHA-256)
4. (25 points) What is Ether?

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5. (20 points) What is the difference between a Turing Complete language and a Stack Based language?

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6. (20 points) What is the point of a Patricia Tree?

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7. (20 points) What are the 3 things stored in Block Headers?

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