University of Texas at Austin

Quiz # 1
VSauce. Veritasium.

Provide your complete solutions for the following problems.

Problem 1.1. (3 points) Every cointoss is random. *True or false? Why?*

Problem 1.2. (3 points) When did we first start using the word *"random"* in the sense of non-deterministic in the English language?

Problem 1.3. (3 points) What is (approximately) the probability that a US nickel lands on an edge?

Problem 1.4. (3 points) Who said *"The future, just like the past would be present before its eyes"*?
   Bonus question (1 point) State one theorem by this individual!

Problem 1.5. (3 points) Who is the founder of *information theory*?