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## *COP 5106 – Fall 2017 - Homework 3*

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Due: December 7, 2017

For each of the following innovations, you will need to discuss:

- Feasibility: do you find it likely that this can happen? If yes, why, if not, why not? (3-4 sentences)
- Implications: assuming that it does happen, what will be the impact on the computing architectures, and in general the way we use computers? (6-8 sentences)

**Scenario 1:** A company introduces an X86 processor, with 1 core but 1000x faster than current ones.

**Scenario 2:** A company introduces an X86 processor, same speed as current ones, with 1000 cores.

**Scenario 3:** A company introduces an SD card of 10000 TB size with the cost of \$1.

**Scenario 4:** A company introduces a 10TB/sec wireless internet service for a cost of \$1 / month?