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CS 3853 Computer Architecture Quiz 1a Fall 2013

This is a closed book exam. You may not use a computer, but you may use a calculator.

Answer all question on this sheet in the space required.

Each problem is worth 3 points:

- 1 point for turning in the paper
- 2 points for showing some reasonable work
- 3 points for showing work and putting a box around the correct answer
- 1) Machine A is 30% faster than machine B on a given task. If the task takes 5 seconds on machine A, how long would it task one machine B?

2) Machine A is 30% faster than machine B on a given task. If the task takes 5 seconds on machine B, how long would it task one machine A?

3) On a given task, machine A is 30% faster than machine B and machine B is 40% faster than machine C. How much faster is machine A than machine C?