MATH 55 PROBLEM SET 1

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ABSTRACT. Due Tuesday, September 7, 2004

Exercises 4A: 15-34

**Bonus Problem 1.** The speed of computers doubles every two years (this is so-called Moore’s Law). A Cray supercomputer is 1000 times faster than a desktop PC. In how many years will a desktop PC be as fast as (today’s) supercomputer?

**Bonus Problem 2.** Marion Jones starts walking at the speed of 1 meter per second, and doubles her speed every minute. How long before she reaches the speed of light (300000 kilometers per second)?