Quiz Stuff

Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put your last name and NetID in the far upper left hand corner of the paper, **where a staple would hit it.** (It helps us sort quizzes!)

This quiz is different. It asks you to write a function in any one language you know. Function signatures/prototypes are specified for Java and C.

If you have time, fully write it out in as many languages as you can.

If you run out of languages, implement recursive (or non-recursive) versions in languages you've already used. If you still run out, write down the time shown on the time widget. (whm: put up widget!)

You may write sloppy and abbreviate.

You'll have 4 minutes. Everybody who takes it gets two points.

Write a function named **replicate** that takes two arguments/parameters, an integer **n** and a string **s**, and returns a string that is **n** copies of **s** concatenated together. Assume **n >= 1** and **s** is not empty.

Examples:

replicate("ab", 3)   returns   **"ababab"**

replicate("z", 4)   returns   **"zzzz"**

replicate(replicate("xy", 2), 4)   returns   **"xyxyxyxyxyxyxyxy"**

Signature for Java: **String   replicate(String s, int n)**

<u>For C, implement a simpler function</u>: **void replicate(char c, int n, char *buf)** that creates in **buf** a zero-terminated string that is **n** copies of **c**.

DO <u>NOT</u> PASS IN YOUR PAPER WHEN DONE!
Turn it over for Quiz 4b. Two points, too!