

EXTRA EXAM

Math 132

First exam

September 19, 2001

Name:

Please print above

Course: Math 132

Part of your name should be printed in large letters at the top of this page of your examination booklet. Your proctor can help you find your booklet if necessary. Make sure an answer card is on top of the booklet.

- make sure you have an adequate supply of PENCILS and ERASERS and your WASHINGTON UNIVERSITY picture ID card. Your proctors will request your ID card during the exam. Students without their ID will have their score withheld until they present their ID at the math office.
- PRINT your name and the course and exam number at the top of your card. Fill in your ID number in the appropriate boxes.
- Do not use any extra NOTES, BOOKS or SCRATCH PAPER. You should have ample space in your booklet for calculations. If you run out of space use the sides of the booklet pages for your work.
- CALCULATORS are only allowed if your instructor permits them.
- MARK your answer card neatly and make clean erasures. Sloppy cards will delay grading and result in your scores being withheld until you visit the math office to see your mismarkings.
- your RESULTS will appear within two days of the exam on the Mathematics Computer system
- To see your exam and quiz scores, type 'telnet math' from an on campus account. Login as 'lookup' with password 'lookup'.
- Grades will also be posted by your course bulletin board in Cupples I.

For more information about your exam contact your instructor or the department office in Cupples I, room 100. For computer information, stop by the math computing facility in Cupples I, room 105, or the Math Office, room 100.

Part I of this exam should have 14 multiple choice questions, Part II has 3 hand graded questions. Please check to see that your exam is complete. If you do not have a PENCIL to mark your card, please ask to borrow one from your proctor.

Write your social security number on the nine blank lines at the top of your answer card, using one blank for each digit. **Shade in the corresponding boxes below.** Print your name at the top of your card. Leave the boxes for version type blank.

As you work the exam, when you are certain of all your choices, **darken** all your answer boxes. If your card becomes damaged please ask your proctor for a new one.

1. Find $f(x)$ if $f''(x) = 3x + 4$ and $f(0) = f'(0) = 0$.

a) $x^3 + 2x$

b) $\frac{1}{2}x^3 + x^2$

c) $\frac{1}{2}x^2 + 4x$

d) $\frac{1}{2}x^3 + 2x^2$

e) $\frac{1}{3}x^4 + 4x^2$

f) $3x^3 + 4$

g) $2x^2 + 2x$

h) $x^3 + x$

i) $3\ln|x| + 4x$

j) $3\ln|x| + 4$