Name _____

MATH 320 – Preliminary Exam
August 23, 1999
Instructor: Louis Crane

NO CALCULATORS!

1. $\frac{1}{2} \div \frac{1}{3} =$

2. $\frac{2}{3} + \frac{1}{5} =$

3. $\frac{1}{4} - \frac{2}{3} =$

4. $2\frac{1}{2} \times \frac{2}{3} =$

5. $.7 - .05 =$

6. $(.5)(.2) =$

7. $(.3)^2 =$

8. $1.3 + .25 =$

9. Round off to nearest whole number:

(a) 9.6 _____

(b) $\frac{7}{3}$ _____

(c) -4.3 _____

10. Which is bigger, 10^8 or 12×10^7 ?

11. What is the sum of the angles of a triangle?

12. State the definition of a rhombus.

13. Is $\{1, 2, 3\}$ a subset of $\{1, 2, 3, 4, 5\}$? Why or why not?

14. Essay Question: *Should students be expected to memorize fundamental formulas? Why or why not?*