MATH 320 – Preliminary Exam
August 23, 1999
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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 $12 \times 10^7$?
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?