Mathematics 095
Semester One, 2007-2008
11 October 2007

EXAMINATION ONE

Instructor _____

Student _____

Problem	Points possible	Points earned
1	5	
2	5	
3	5	
4	5	
5	10	
6	10	
7	10	
8	15	
9	15	
10	20	
	Total 100	**Total**

- Show your work. Even if your answer is correct, if you do not show your work, you will receive zero credit.
- No calculators of any kind.
- No notes.
- No textbooks.
- No interacting student-to-student.

I. True/False. Following these instructions, there are four statements. For each statement, if the statement is true, write the word True in the space provided at the left of the statement; otherwise, if the statement is not true, write the word False in the space provided at the right of the statement. (If you write the word True in some space at the right, you will be given zero credit; similarly, if you write the word False in some space provided at the left, you will be given zero credit.) (5 points each.)

True **False**

_____ 1. When reduced to lowest terms, 255/345 equals 51/69. _____

_____ 2. In this addition problem, the sum of the numbers in the second column from the right represents 17 times 10. _____

```
 6505
  173
 7044
+168
```

_____ 3. The sum of the fractions 5/8, 11/36, and 7/12 equals 7/6. _____

_____ 4. When 41.901 is divided by 0.85, the quotient equals 0.493. _____

II. Completions. Following these instructions, there are three incomplete statements. For each of the statements, in the space provided, put the letter corresponding to what you think is the correct answer. (10 points each.)

5. The least common denominator of the fractions 3/8, 5/14, and 13/16 is _____.

(a) 2 (b) 112

(c) 224 (d) None of (a), (b), or (c).

6. When 14 2/3 is divided by 3 1/2, the quotient equals _____.

(a) 22/21 (b) 88/21

(c) 308/6 (d) None of (a), (b), or (c).

7. When 33.8 is multiplied by 0.95, the product is _____.

(a) 3.211 (b) 32.11

(c) 321.1 (d) None of (a), (b) , or (c).

III. Computations.

8. The sum of 3 5/8, 7 3/4, and one other number equals 14 1/24. Find the missing addend. And, write the answer as a mixed number with the fractional part in lowest terms. (15 points.)

8. _____

9. 7.4 ÷ 12.34 = 0.5 R 1.23. Check to see that that computation is correct by first multiplying 12.34 times 0.5, then adding to that product 1.23. (15 points.)

10. When it was new, Bonnie and Connie's car got 25 1/3 miles per gallon. It now gets 1 5/6 miles per gallon less. How far can Bonnie and Connie drive their car now if it has 12 3/4 gallons of gas in it? (20 points.)

10. _____