

MATH 01 - Arithmetic, Sec. B04-45391

Second test. Time allowed: one hour. Professor Luis Fernández

NAME: _____

INSTRUCTIONS: Solve the following 23 exercises. Each is worth 5 points. **You must show all your work** in order to receive any credit. This includes all **sums, long divisions**, etc.

1. Add: $121 + 66.03 =$

2. Add: $5.37 + 60.13 =$

3. Subtract: $55.37 - 7.26 =$

4. Subtract: $56.87 - 7.135 =$

5. Multiply: $46.97 \times 100000 =$

6. Multiply: $0.319 \times 10000 =$

7. Divide: $54.58 \div 1000 =$

8. Divide: $0.302 \div 100 =$

9. Multiply: 4.4×0.36

10. Multiply: 0.061×2.2

11. Divide: $19.11 \div 21 =$

12. Divide: $3.36 \div 0.7 =$

13. Divide: $0.1121 \div 0.019 =$

14. Write in scientific notation: 2345.5

15. Write in scientific notation: 0.0834

16. Multiply and give the answer in scientific notation:

$$(9 \times 10^5) \cdot (6 \times 10^7) =$$

17. Convert the number 0.4 to a fraction in simplest form.

18. Convert the percent 34% to a fraction in simplest form.

19. Convert the number 0.47 to a percent.

20. Convert the percent 123.34% to a decimal.

21. Convert the fraction $\frac{20}{50}$ to a decimal.

22. Solve the proportion $\frac{8}{15} = \frac{x}{30}$.

23. Solve the proportion $\frac{12}{x} = \frac{6}{7}$.