

BRONX COMMUNITY COLLEGE
of the City University of New York

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 01
Nikos Apostolakis

Second Exam
November 9, 2017

NAME: _____

Directions: The exam contains 20 questions for a total of 100 points. Each question counts for 5 points. Please indicate your final answer clearly. You must **SHOW ALL WORK** in the space provided to receive credit for your answers.

1. (5 points) Subtract: $5\frac{1}{3} - 4\frac{1}{2}$

2. (5 points) Subtract $3150,320 - 275,678$

3. (5 points) Subtract $35.51 - 30.964$

4. (5 points) Multiply 5.24×8.3

5. (5 points) Divide $30.25 \div 9$ and give your answer as a repeating decimal.

6. (5 points) Divide $\frac{163.501}{6.4}$ and round the quotient to the nearest hundredth.

7. (5 points) Evaluate the expression: $2\sqrt{64} + 3(5 + 12 \div 3) - 3^2$

8. (5 points) Change $\frac{39}{80}$ to a decimal.

9. (5 points) Divide: $2\frac{3}{10} \div \frac{3}{5}$

10. (5 points) Put the fractions in order from smallest to greatest: $\frac{5}{8}, \frac{3}{4}, \frac{9}{16}$

11. (5 points) Find the product of 1.7 and 0.23.

12. (5 points) Change the mixed number $4\frac{3}{8}$ to a percentage.

13. (5 points) Change $\frac{25}{6}$ to a percentage. Round your answer to the nearest tenth.

14. (5 points) Change 3.32 to a mixed number or improper fraction in lowest terms.
15. (5 points) Find 70% of 60.
16. (5 points) If a taxi charges \$2.10 for each of the first three miles and \$0.85 for each additional mile, how much is a 13 miles ride?
17. (5 points) In a class of 20 students, 17 pass the final exam. What percentage pass the final exam?
18. (5 points) Jorge makes \$42,000 a year. If he gets an 8% raise, what will be his new salary?

19. (5 points) Each week, Maria saves \$5.50 to buy a \$29.00 book. After how many weeks will Maria buy the book?

20. (5 points) A car costs \$12,000. After two years its price will drop by 12%. What will the price of the car be in two years?

Do not write in the table below.

Page:	1	2	3	4	5	Total
Points:	20	20	25	25	10	100
Score:						