

Name: _____

/10

Instructor: _____

Date: _____

Class Time: _____

Unit 2 Module A Notes Sections 4.1 – 4.7

View the PowerPoint, Videos, or Textbook for Module 2A.

Problems **Fill in the blanks.**

1. (Section 4.1) Complete the table:

Hundreds	Tens		Tenths			Ten-Thousandths	
100		1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10,000}$	$\frac{1}{100,000}$

Show ALL steps.

2. (Section 4.1) Arrange from smallest to largest:

0.99 , 0.099 , 0.8999 , $\frac{99}{10}$

3. (Section 4.1) Write in fraction notation (you do not need to simplify):

0.448

4. (Section 4.2) Solve: $x + 17.78 = 56.314$

5. (Section 4.4) Simplify:

$$6 \times 0.9 + 0.1 \div 4 - 0.2^3$$

Name: _____

Instructor: _____

Date: _____

Class Time: _____

6. (Section 4.5) Simplify:

$$625 \div 62.5 \times 30 \div 10$$

7. (Section 4.5) Calculate the average of these decimal numbers, then round your answer to the nearest tenth:

35.3, 12.5, 11.3, 10.7, 10.7, 10.4

8. (Section 4.5) Calculate:

$$\frac{5}{6} \times 0.0765 + \frac{5}{4} \times 0.1124$$

9. (Section 4.6) Estimate the difference by **first rounding** the numbers to the nearest ten, then subtracting:

$$198.67432 - 24.5007$$

10. (Section 4.7) John filled his gas tank and noted that the odometer read 38,320.8 miles. After the next filling, the odometer read 38,735.5 miles. It took 14.5 gal to fill the tank. How many miles per gallon did John get?