

Unit 2 Lab 1 - Order of Operations

class hour _____

Name _____

Pts: 10

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I. Order of Operations

- 1) a) Open **P1ch2lab1.java**
- b) Mentally calculate the answer to: $4 + 20 / 2$
- c) Run the program and complete the output below

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- d) Why did the computer get the answer of 14 and not 12?

- e) Read page 67 bottom rectangle and the 3 examples on the top of page 68.
(Note: When using PEMDAS the E stands for exponents. There is no exponent symbol, \wedge , like on our calculators. Exponents will be dealt with in the next Lab.)

- 2) a) Mentally find the answer to: $\frac{9-3}{1+2}$ The answer is: _____

- b) Change the statement **num1 = 4 + 20 / 2;** to **num1 = the calculation in 2)a)**
- c) Run the program and fix it until you get the correct answer of 2
- d) Write the num1 = statement that results in the correct answer of 2

Do KWIKWIZ #7 & #9 on page 69

- 7) (Note: The 5 operators are +, -, *, /, %)

- 9) a)

- b) Answer: _____

Turn in this sheet to be graded!