

Unit 2 Worksheet 1 - Order of Operations

1 of 1

Pts: 15 Name _____

class hour _____

I. Write the answer to the following Java code segments (1 pt each)

1) $6 / 3 * 2$ 1) _____

2) $4 + 3 * 5$ 2) _____

3) $7 - 2 * 5 + 3$ 3) _____

4) $((4 + 9) * (2 + 3) * 2) + 1$ 4) _____

5) $12 - 6 / 3 + 3$ 5) _____

6) $(3 + 4) - 5 - 1$ 6) _____

7) $4 + 2 * 3 - 1$ 7) _____

8) $2 + 3 * 2 + 15 / 5$ 8) _____

9) $12 + 3 / 4 + 1$ 9) _____

II. Convert each of the following mathematical expressions to a Java arithmetical expression. Use parenthesis only where needed. Note: All variables below are **int** data types unless declared otherwise.

1) **int** $x = y \div z$ (integer quotient) (1 pt) 1) _____;

2) **int** $x = 2a - b$ (1 pt) 2) _____;

3) **int** $x = (m + n)(p + q) / 2$ (2 pts) 3) _____;
(modulus - remainder - division)

4) **double** $x = \frac{a + b}{r - s}$ (2 pts) 4) _____;

(floating point i.e. decimal division and *exact* result –
be careful due to the need to typecasting)