

AP Chapter 3 Worksheet 4 - Order of Operations

Name _____

1 of 1

Pts: 15

class hour _____

I. Write the answer to the following Java code (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.

Note: All variables are integers except for *c* which is a double.

Use parenthesis only where needed.

- 1) $x = y \div z$ (integer quotient) (1 pt) 1) _____;
- 2) $x = 2a - b$ (1 pt) 2) _____;
- 3) $x = (m + n)(p + q) / 2$ (2 pts) 3) _____;
(modulus - remainder - division)
- 4) $x = \frac{a + b}{r - s}$ (2 pts) 4) _____;
(floating point *exact* decimal result)