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Name: Date: Hour:

6.EE.A.2c Review for the Common Assessment Part I

Standard 6.EE.2c: Evaluate expressions at specific values for their variables. Include expressions that arise from formulas in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations).

- I can substitute **specific values** for **variables**.
- I can evaluate **algebraic expressions** including those that arise from real-world problems.
- I can apply **order of operations** when there are no parentheses for expressions that include whole number exponents.

Evaluate the following expressions if a = 3, b = 4, c = 5 (Rewrite each using parenthesis)
Show all steps!

4a + 3

$4(3)+3$

$12+3$

(15)

2b + c =

$2(4)+5$

$8+5$

(13)

3a - 2b =

$3(3)-2(4)$

$9-8$

(1)

ab/2

$(3)(4)/2$

$12/2$

(6)

If h = 7, evaluate 5h + 18

$5(7)+18$

$35+18$

(53)

If k = 4, evaluate 2(2k -3)

$2(2(4)-3)$

$2(8-3)$

$2(5)$

(10)

Which step by step process is correct? All? None? Only one of them? Circle the correct one.

Evaluate 4g + 6 ÷ 2, when g=3

~~4(3) + 6 ÷ 2~~
~~4(9) + 6 ÷ 2~~
~~36 + 6 ÷ 2~~
~~42 ÷ 2~~
~~21~~

~~4(3) + 6 ÷ 2~~
~~12 + 6 ÷ 2~~
~~18 ÷ 2~~
~~9~~

12 + 3

(15)

4(3) + 6 ÷ 2
12 + 6 ÷ 2
12 + 3
15

Evaluate the following expression: 3y + 2 x 9 + 2 + 4y if y = 10

$3(10)+2\times9+2+4(10)$

$30+18+2+40$

$50+40$

(90)