STANDARD I: The student will be able to perform basic operations on algebraic expressions.

OBJECTIVE

1. Apply order of operations.

ELIGIBLE CONTENT

- One, two, or no variables may be used.
- One set of parentheses may be used.
- Determining the absolute value of a term may be required.
- Squaring the quantity in parentheses may be required.
- No more than four terms may be included.
- Adding or subtracting negative integers may be required.
- Decimals to the tenths' place may be used.

Tip:

→ →

Use PE(MD)(AS)

Mr. C.

SAMPLE ITEMS

1 Simplify: $(3+2)^2 + 1 - 3^2 \bullet 5$

A −19

B −4

C 71

D 85

2 Simplify: $x - y - (x - 2y)$

A y

B −3y

C $x + 3y$

D $2x - 3y$

3 Simplify: $5 \bullet 4^2 \div 8 + (2^3 - 7)$

A ⁻5

B 4

C 9

D 11

4 Simplify: $2x + \dfrac{10x + 4x}{2}$

A $8x$

B $9x$

C $11x$

D $14x$

5   Simplify: $6.4 - |14.7 + 0.5|$

    A $^-7.8$

    B 8.8

    C $^-8.8$

    D 21.6