

Expressions and Equations Quiz

Parts of an Expression:

Coefficient, variable, constant, operator, # of terms

$$3x^2 + 4x + 7$$

Substituting in values: (use PEMDAS)

$$x^2 + 3x - 10 \quad \text{for } x = 3$$

Writing verbal expressions:

Product, quotient, sum, difference

Twice a number, half a number

5 less than a number

Squared, cubed

Combine like terms: (use highlighters)

$$3x^2 + 2x - x^2 + 3 + 5x - 1$$

Distributive Property: (Santa hat)

$$3(2x + 4y - 6) - 2x$$

Factor: (distribute to check)

$$18x + 27$$

$$36a + 54b$$