

Review for Quiz
Simplifying Algebraic Expressions and Writing Expressions

COMBINE LIKE TERMS EXAMPLES:

1) $3 + 4x - 17 + 5x$

2) $3y + 4 - 2y - 5 + 6y$

3) $2x - 7 + 9x + 8 - 5x$

4) $11r - 5 + 3r - 7 + 9 - r$

DISTRIBUTIVE PROPERTY EXAMPLES:

1) $-2(4 + 9z)$

2) $-(x + 8y - 5) + 4$

3) $3(5x^2 - 7x + 3)$

4) $-5(-4c + a)$

SIMPLIFYING EXPRESSIONS EXAMPLES:

1) $3(x + 4) + 2$

2) $5(y + 2) - 7y$

3) $6(3x - 2) - 8$

4) $-4(2x + 9) + 5x$

5) $11x - 3(4x - 5) - 5x$

6) $9 + 13x - (3x - 4)$

TRANSLATING ALGEBRAIC EXPRESSIONS

Hint: Think about the turn around words and phrases that need parenthesis.

1. A number x increased by five times a number y _____
2. Four times the sum of p and q _____
3. Nine more than twice a number x _____
4. Half the difference of 10 and a number _____