

No space on the answer and all letters should be given in lowercase.

Example:

Simplify $3x + 2y - x + 6y$. The answer is $2x+8y$

Expand $3(5x+y)$. The answer is $15x+3y$

Factorize $12x-6xy$. The answer is $6x(2-y)$

Evaluate $3x + y$ when $x = -1$ and $y = 2$. The answer is -1

1. Simplify the expressions below :

a. $-25a + (-12b) - 5a - (-2b)$

b. $78x + (-34y) - (-23x) - y$

2. Expand the expressions below:

a. $3(-2a + 3b)$

b. $-(4x - 2y)$

3. Expand and simplify the expressions below:

a. $2(x + 3y) + 5(2x + y)$

b. $3(2x - y) - 2(4x - 2y)$

4. Factorize the expressions below:

a. $36ab - 24b$

b. $3xz + 9xy$

5. Evaluate the expressions below when $x = -2$ and $y = 3$:

a. $4y - 5x + 14$

b. $10y : 3x$