

# Adding and Subtracting Polynomials Bell Work

Simplify the following polynomials

1.  $3x + 2y + 4 + 5x - y + 3$

2.  $4a^2b + 2a - b + 3a + 6a^2b - 4$

3.  $5x + 3 - 6x + 5 + 4x - 9$

4.  $6x^2 + 4x - 9 + 2x - 3x + 2$

Perform the indicated operation

5. Find the sum of  $6x + 5$ ;  $3x + 2$  and  $5x^2 - 3$ .

6. Subtract  $3x + 2y + 4$  from the sum of  $6x + 5$  and  $4y - 3$ .

Remove the grouping symbol of the following polynomials

7.  $-\{2x - [4x - (3x + 2)] - 5\}$

8.  $-[2x - (3x + 2)] - [2x - (9x + 16)]$

9.  $-\{4x - 6 - [-6x + 5 - (3x - 2)]\}$

10.  $-[-2 + 3x - (2x - 1)] - (3x + 2)$