

Algebraic Expressions

Topic: Addition & Subtraction

Name: Date: 1. Subtract $5p^2 - 3p^3 + p - 6$ from $p^3 - 4 + 3p^2$ 2. Subtract $1 - 5y^2$ from $y^3 + 7y^2 + y + 1$ 3. Find $a - [b - \{a - (b - 1) + 3a\}]$ 4. Find $2a - [4b - \{4a - 3(2a - b)\}]$. 5. Find $x^2 - [3x + [2x - (x^2 - 1)] + 2]$ 6. Simplify: $xy [yz - zx - \{yx - (3y - xz) - (xy - zy)\}]$

Drag and drop the correct answer from the options given.

7. Find $axy + byz + cxy$ for $x=1, y=-1, z=2, a=-2, b=1, c=-2$. 8. Subtract $x^2 + y^2 + 3xy$ from $4x^2 + 2xy - 3y^2$ 9. Add $2x + 3y + z$ and $2x - y - z$. 10. Add $2x^2y$ and $-8x^2y$. 