

## Algebraic Expressions

Topic: Addition &amp; 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  $-8x^2y$ . 