

Adding and Subtracting Polynomials

Simplify each sum.

1) $(8 + b - 2b^2) + (5b^4 + 3b + 4 + b^2)$

2) $(-5k^2 + 6k + 4k^3) + (-4k^3 - 3k^4 + 8k - 3k^2)$

Simplify each difference.

3) $(4x^2 - 8 - 3x + 4x^3) - (-4x^2 - x + 4)$

4) $(-8m^2 + 8m^3 - 4m^4 - 4) - (-5m^3 + 5 + 8m^2)$