

Adding and Subtracting Polynomials

Simplify each expression.

1) $(1 + 5v^2) + (1 - v^2)$

2) $(2p + 2) + (2p + 3)$

3) $(6 + 6r + 2r^2) + (4 - 6r + 8r^2)$

4) $(8p + 1 + 3p^2) - (5p + 8 + 6p^2)$

5) $(-7 + x + 2x^2) + (8 - 8x - 8x^2)$

6) $(-2 - 5x^2 - 6x) - (-7 - 8x^2 - 3x)$

7) $(3p^2 - 8p - 4) + (7p + 4p^2 - 5)$

8) $(5r^2 - 5r - 2) - (2r^2 - 7r - 2)$

9) $(-5x^3 - 2x - x^4) + (-3 + 6x - 7x^4)$

10) $(8k^3 + 6 - k^2) - (6 + 6k^3 - 7k^2)$

11) $(-4 - 2p^4 + 6p + 8p^2) - (-4p^2 - p - 3p^4 + 1)$

12) $(3p^4 + 6p^2 - 6p + 8p^3) + (-5p^3 - 5p^2 - 3p - 3p^4)$