

Multiplying Polynomials #4

Simplify.

1) $b(4b - 1) + 10b$

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

3) $8y(11y^2 - 2y + 13) - 9(3y^3 - 7y + 2)$

4) $2x(x - y^2 + 5) - 5y^2(3x - 2)$

Solve each equation.

5) $m(2m - 5) + m = 2m(m - 6) + 16$

6) $2(3w + w^2) - 6 = 2w(w - 4) + 10$