

**U1D1 Warm-up: Simplify.**

a)  $x^2 + 2x + 3 - x^2 - x - 1$

b)  $yx^2 + 2xy^2 - 2x^2y + 4y^2x$

MCR 3UI

Operations with Polynomials

Examples: Simplify each of the following expressions.

(a)  $2x(3x - 5) - 4x(x - 7)$

(b)  $3[4 - 2(y - 3)] + 4[3(2 - y) - 5]$

(c)  $2(7 - 3x)(4 + x)$

(d)  $(x^2 + 2x + 3)(x^2 - x - 1)$

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

U1D1 HW: Pg. 29 #1cf, 2cd  
Pg. 31 #8cd, 9adgk, 10f  
Pgs. 33-34 # 11fh, 12cd, 13bdf, 15cl  
**pg. 34 #19 (BOLD  $\Rightarrow$  challenge)**