

Multiplying Polynomials

In problems 1-3, find the product

1. $(2x^3y)(-4xy^5)$	2. $-9x(x^2 - 3x + 5)$
3. $2xy^2(4x^3 - xy + 2y^4)$	

In problems 4-7, find the product of the two binomials

4. $(x-7)(3x-1)$	5. $(8x+2)(4x-3)$
6. $(3x+5)(x-1)$	7. $(x^2-2)(3x^2-5)$

In problems 8-11, find the product of the polynomials

8. $(x+2)(4x^2 - x - 2)$	9. $3x(x-7)(10x-1)$
10. $(8x-2)(3x^2 + x + 1)$	11. $(x^2 - 3x + 1)(x^2 + 4x - 7)$

In problems 12-14, find the special product

12. $(x+4)^2$	13. $(3x-7)(3x+7)$
14. $(2a-b)(2a+b)$	