

Operations with Polynomials
Emphasis on Multiply Polynomials

Multiply each of the following:

1. $x(5x + 2)$	2. $-3x(-2x + 8)$
3. $2x(2x^2 - 5x + 7)$	4. $5x^2(6x + 2)$
5. $(3q - 8)(-9q + 2)$	6. $(-2x - 7)(-5x - 4)$
7. $(w - 6)(4w - 1)$	8. $(2t + 1)(3t - 2)$
9. $(b - 2)(2b - 1)$	10. $(3p + 1)(p + 3)$

11. $(a - 6)(2a + 5)(a + 1)$	12. $(z - 4)(-z + 2)(z + 8)$
13. $(x + 1)(x - 7)(x + 3)$	14. $(x + 4)(x - 6)(x - 5)$
15. $(w + 4)(w^2 + 6w - 11)$	16. $(2a - 3)(a^2 - 10a - 2)$
17. $(5c^2 - 4)(2c^2 + c - 3)$	18. $(-x^2 + 4x + 1)(x^2 - 8x + 3)$
19. $(-d^2 + 4d + 3)(3d^2 - 7d + 6)$	20. $(3y^2 + 6y - 1)(4y^2 - 11y - 5)$