

**Multiply:**

1. $(12x)(12x + 11)$	2. $(9x)(4x + 2)$
3. $x(9x^2 + 4x + 3)$	4. $(2x + 7)(8x)$
5. $(4x)(-8x - 9)$	6. $5x(-6x - 3)$
7. $(11x)(-5x^3 + 8x^2 + 9x + 8)$	8. $-9x(-3x^2 + 9x + 11)$
9. $(-4x)(8x - 5)$	10. $-3x(-4x^2 - 10x + 12)$
11. $(-2x)(11x^3 - 10x^2 + 4x + 6)$	12. $x(-9x^2 + 7x + 4)$
13. $(6x)(11x + 7)$	14. $-11x(2x - 3)$
15. $(-7x + 2)(9x)$	16. $(-7x)(5x + 10)$
17. $-10x(-9x - 5)$	18. $(-3x)(7x + 8)$
19. $(-5x + 4)(6x^2)$	20. $(11x^2)(7x - 4)$

**Use FOIL:**

(FOIL means first, outside, inside, last)

$$\overbrace{(4x + 6)(x + 2)}$$

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1. $(11x + 11)(11x + 10)$	2. $(9x + 9)(3x + 3)$
3. $(8x + 11)(5x + 11)$	4. $(9x + 7)(6x + 4)$
5. $(11x + 5)(-11x + 12)$	6. $(8x + 11)(-3x + 6)$
7. $(6x + 3)(-5x + 2)$	8. $(7x + 7)(5x - 4)$
9. $(-10x + 11)(7x + 5)$	10. $(-9x + 5)(-10x - 6)$
11. $(8x - 13)(20x + 11)$	12. $(16x - 19)(8x - 8)$
13. $(18x - 20)(-12x - 6)$	14. $(10x - 11)(-14x + 9)$
15. $(-20x - 12)(-19x - 15)$	16. $(-14x + 11)(-9x + 19)$
17. $(-7x - 11)(19x - 14)$	18. $(6x + 7)(20x - 9)$
19. $(12x - 13)(-12x + 12)$	20. $(16x + 13)(-8x + 15)$

All MATH Course structured & Tutoring  
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