

Multiply the following.

1. $(x+2)(x+5)$

2. $(x+3)(2x+1)$

3. $(2x-3)(x-4)$

4. $(5x+2)(3x-5)$

5. $(4x+1)(4x-1)$

6. $(2a+7)(a-7)$

7. $(2x+3)(2x-3)$

8. $(2x+9)(2x-9)$

9. $(x+4)^2$

10. $(5x-6)^2$

11. $(x+7)^2$

12. $(2x-4)^2$

$$13. (x-1)(x+1)(x+3)$$

$$14. (x+7)(x+5)(x-2)$$

$$15. (x+1)^3$$

$$16. (3x+1)(x^2-6x+2)$$

$$17. (2x+1)(x^2+5x+1)$$

$$18. (x^2+3)(x^2-6x-2)$$

For the following problems, circle the correct operation and then simplify.

$$19. (2x+1)+(5x-8)$$

Add Subtract Multiply

$$20. (6x-5)(4x-1)$$

Add Subtract Multiply

$$21. (3x+2)-(x-17)$$

Add Subtract Multiply

Do the following problems to show you really understand all this “stuff”!

$$22. 4(x+1)(x-1)-6(x+2)(x-2)$$