

Dans chacun des exercices proposées ci-dessous, déterminez la forme développée de $f(x)$.

Exercice 1. $f(x) = (6x+6)^2 - (-2x-1)(5x+1).$

Exercice 2. $f(x) = (6x+8)^2 + (4-4x)(5x+5).$

Exercice 3. $f(x) = (3x+9)^2 - (-2x-4)(3x+1).$

Exercice 4. $f(x) = (8x-2)^2 - (2x+2)(3x+5).$

Exercice 5. $f(x) = (7x+9)^2 - (3x-4)(5x+1).$

Exercice 6. $f(x) = (5x-3)^2 - (3-x)(3x+1).$

Exercice 7. $f(x) = (8x+2)^2 - (-3x-4)(3x+1).$

Exercice 8. $f(x) = (3x+4)^2 + (3-5x)(3x+3).$

Exercice 9. $f(x) = (7x-7)^2 - (-5x-2)(3x-5).$

Exercice 10. $f(x) = (5x-9)^2 + (-3x-1)(5x-2).$

Exercice 11. $f(x) = (4x-4)^2 - (-3x-5)(2x-4).$

Exercice 12.

$$f(x) = (2x+9)^2 + (-4x-3)(-3x-5).$$

Exercice 13. $f(x) = (3x+5)^2 - (4-2x)(2x+3).$

Exercice 14.

$$f(x) = (2x-8)^2 - (-3x-2)(-3x-1).$$

Exercice 15. $f(x) = (6x-6)^2 + (1-5x)(3x+1).$

Exercice 16. $f(x) = (8x-5)^2 - (3-2x)(3x+4).$

Exercice 17. $f(x) = (7x-3)^2 - (3-5x)(4x-2).$

Exercice 18. $f(x) = (4x-8)^2 + (x+3)(5x+5).$

Exercice 19. $f(x) = (9x-7)^2 - (-4x-5)(3-2x).$

Exercice 20.

$$f(x) = (8x-9)^2 - (-2x-4)(-2x-3).$$

Exercice 21. $f(x) = (\sqrt{17} - \sqrt{7}x)^2.$

Exercice 22. $f(x) = (3 - \sqrt{14}x)^2.$

Exercice 23. $f(x) = (3x - \sqrt{23})^2.$

Exercice 24.

$$f(x) = (-\sqrt{5}x - \sqrt{15})(\sqrt{15} - \sqrt{5}x).$$

Exercice 25.

$$f(x) = (-3\sqrt{2}x - 3\sqrt{2})(3\sqrt{2} - 3\sqrt{2}x).$$