

Exercice 1

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (4x - 2)^2 \\ B = (6x + 5)^2 \\ C = (9x - 5) \times (9x + 5) \end{array} \right| \begin{array}{l} D = (5x + 6) \times (6x - 5) \\ E = \left(\frac{4}{3}x - 10\right) \times \left(10x + \frac{4}{3}\right) \\ F = -(5x - 4) \times (5x + 4) \end{array}$$

Exercice 2

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (4x - 2) \times (2x + 4) \\ B = (3x - 6)^2 \\ C = (3x + 9)^2 \end{array} \right| \begin{array}{l} D = (9x - 1) \times (9x + 1) \\ E = \left(\frac{1}{7}x + 10\right)^2 \\ F = -(9x + 6) \times (6x - 9) \end{array}$$

Exercice 3

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (3x + 6) \times (6x - 3) \\ B = (x - 8)^2 \\ C = (3x + 4) \times (3x - 4) \end{array} \right| \begin{array}{l} D = (8x + 3)^2 \\ E = -(3x + 8) \times (3x - 8) \\ F = \left(\frac{9}{10}x - \frac{5}{8}\right)^2 \end{array}$$

Exercice 4

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (5x - 4)^2 \\ B = (7x - 3) \times (3x + 7) \\ C = (x - 2) \times (x + 2) \end{array} \right| \begin{array}{l} D = (x + 7)^2 \\ E = -(2x - 5)^2 \\ F = \left(\frac{9}{7}x + \frac{1}{9}\right) \times \left(\frac{9}{7}x - \frac{1}{9}\right) \end{array}$$

Exercice 5

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (5x - 10)^2 \\ B = (10x - 3) \times (10x + 3) \\ C = (2x + 3)^2 \end{array} \right| \begin{array}{l} D = (3x - 8) \times (8x + 3) \\ E = -(7x + 4)^2 \\ F = \left(\frac{2}{7}x + \frac{8}{9}\right) \times \left(\frac{2}{7}x - \frac{8}{9}\right) \end{array}$$

Exercice 6

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (6x - 9) \times (9x + 6) \\ B = (8x - 8)^2 \\ C = (2x + 8) \times (2x - 8) \end{array} \right| \begin{array}{l} D = (3x + 7)^2 \\ E = -(10x + 10)^2 \\ F = \left(\frac{3}{4}x - 6\right)^2 \end{array}$$