

Exercice 1

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (2x + 10)^2 \\ B = (x - 5)^2 \\ C = (7x - 2) \times (2x + 7) \end{array} \right| \begin{array}{l} D = (2x + 6) \times (2x - 6) \\ E = -(9x + 8) \times (9x - 8) \\ F = \left(\frac{10}{7}x - \frac{8}{9}\right)^2 \end{array}$$

Exercice 2

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (10x - 3) \times (3x + 10) \\ B = (7x + 7) \times (7x - 7) \\ C = (x - 5)^2 \end{array} \right| \begin{array}{l} D = (9x + 3)^2 \\ E = -(10x - 3)^2 \\ F = \left(\frac{7}{9}x + \frac{1}{5}\right)^2 \end{array}$$

Exercice 3

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (6x - 4)^2 \\ B = (2x + 5)^2 \\ C = (3x + 5) \times (5x - 3) \end{array} \right| \begin{array}{l} D = (2x - 5) \times (2x + 5) \\ E = -(x + 2) \times (2x - 1) \\ F = \left(x - \frac{1}{3}\right)^2 \end{array}$$

Exercice 4

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (7x - 9) \times (7x + 9) \\ B = (4x - 5)^2 \\ C = (2x + 3)^2 \end{array} \right| \begin{array}{l} D = (3x - 2) \times (2x + 3) \\ E = -(9x + 6)^2 \\ F = \left(\frac{2}{9}x + \frac{1}{9}\right) \times \left(\frac{1}{9}x - \frac{2}{9}\right) \end{array}$$

Exercice 5

Développer chacune des expressions littérales suivantes :

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

Exercice 6

Développer chacune des expressions littérales suivantes :

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