

Exercice 1

Développer chacune des expressions littérales suivantes :

$$\begin{array}{l} A = (9x - 8)^2 \\ B = (7x - 5) \times (7x + 5) \\ C = (5x + 4)^2 \end{array} \quad \left| \quad \begin{array}{l} D = (9x + 1) \times (x - 9) \\ E = -(10x - 9)^2 \\ F = \left(8x + \frac{2}{7}\right) \times \left(8x - \frac{2}{7}\right) \end{array}\right.$$

Exercice 2

Développer chacune des expressions littérales suivantes :

$$\begin{array}{l} A = (2x + 8)^2 \\ B = (6x - 7) \times (6x + 7) \\ C = (3x - 3)^2 \end{array} \quad \left| \quad \begin{array}{l} D = (7x + 5) \times (5x - 7) \\ E = -(x - 2)^2 \\ F = \left(\frac{1}{10}x + \frac{9}{7}\right)^2 \end{array}\right.$$

Exercice 3

Développer chacune des expressions littérales suivantes :

$$\begin{array}{l} A = (5x - 8)^2 \\ B = (5x - 8) \times (5x + 8) \\ C = (10x + 1) \times (x - 10) \end{array} \quad \left| \quad \begin{array}{l} D = (2x + 8)^2 \\ E = -(10x - 7) \times (10x + 7) \\ F = \left(\frac{4}{3}x - \frac{7}{3}\right) \times \left(\frac{7}{3}x + \frac{4}{3}\right) \end{array}\right.$$

Exercice 4

Développer chacune des expressions littérales suivantes :

$$\begin{array}{l} A = (x + 5)^2 \\ B = (7x + 7) \times (7x - 7) \\ C = (2x - 1) \times (2x + 1) \end{array} \quad \left| \quad \begin{array}{l} D = (9x - 8)^2 \\ E = -(x + 5) \times (x - 5) \\ F = \left(\frac{3}{10}x - \frac{5}{8}\right) \times \left(\frac{5}{8}x + \frac{3}{10}\right) \end{array}\right.$$

Exercice 5

Développer chacune des expressions littérales suivantes :

$$\begin{array}{l} A = (10x + 8) \times (10x - 8) \\ B = (6x + 6)^2 \\ C = (3x - 4)^2 \end{array} \quad \left| \quad \begin{array}{l} D = (7x - 9) \times (9x + 7) \\ E = -(8x + 1) \times (x - 8) \\ F = \left(\frac{7}{2}x - \frac{8}{7}\right)^2 \end{array}\right.$$

Exercice 6

Développer chacune des expressions littérales suivantes :

$$\begin{array}{l} A = (9x + 3)^2 \\ B = (4x - 8) \times (8x + 4) \\ C = (10x + 8) \times (10x - 8) \end{array} \quad \left| \quad \begin{array}{l} D = (9x - 10)^2 \\ E = -(2x + 4)^2 \\ F = \left(\frac{1}{9}x - \frac{7}{6}\right)^2 \end{array}\right.$$