

Exercice 1

Développer chacune des expressions littérales suivantes :

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

Exercice 2

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (2x - 3)^2 \\ B = (3x + 5)^2 \\ C = (4x + 2) \times (2x - 4) \end{array} \right| \begin{array}{l} D = (6x + 10) \times (6x - 10) \\ E = \left(\frac{1}{7}x + \frac{7}{10}\right)^2 \\ F = -(10x - 10) \times (10x + 10) \end{array}$$

Exercice 3

Développer chacune des expressions littérales suivantes :

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

Exercice 4

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (7x + 9)^2 \\ B = (8x - 1) \times (8x + 1) \\ C = (4x + 7) \times (7x - 4) \\ D = (8x - 10)^2 \end{array} \right| \begin{array}{l} E = \left(x - \frac{5}{3}\right)^2 \\ F = -(10x + 1)^2 \end{array}$$

Exercice 5

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (4x - 8) \times (4x + 8) \\ B = (9x - 5)^2 \\ C = (10x + 9) \times (9x - 10) \end{array} \right| \begin{array}{l} D = (6x + 1)^2 \\ E = -(2x + 1) \times (x - 2) \\ F = \left(\frac{7}{2}x - 3\right) \times \left(\frac{7}{2}x + 3\right) \end{array}$$

Exercice 6

Développer chacune des expressions littérales suivantes :

$$\left. \begin{array}{l} A = (10x + 4)^2 \\ B = (6x - 7)^2 \\ C = (4x + 6) \times (6x - 4) \end{array} \right| \begin{array}{l} D = (5x + 9) \times (5x - 9) \\ E = \left(\frac{9}{4}x - \frac{5}{7}\right)^2 \\ F = -(10x + 7) \times (10x - 7) \end{array}$$