

Exercice 1

Développer chacune des expressions littérales suivantes :

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

Exercice 2

Développer chacune des expressions littérales suivantes :

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

Exercice 3

Développer chacune des expressions littérales suivantes :

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

Exercice 4

Développer chacune des expressions littérales suivantes :

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

Exercice 5

Développer chacune des expressions littérales suivantes :

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

Exercice 6

Développer chacune des expressions littérales suivantes :

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