

Exercice 1

Développer chacune des expressions littérales suivantes :

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

Exercice 2

Développer chacune des expressions littérales suivantes :

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

Exercice 3

Développer chacune des expressions littérales suivantes :

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

Exercice 4

Développer chacune des expressions littérales suivantes :

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

Exercice 5

Développer chacune des expressions littérales suivantes :

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

Exercice 6

Développer chacune des expressions littérales suivantes :

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