

Exercice 1

Développer chacune des expressions littérales suivantes :

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

Exercice 2

Développer chacune des expressions littérales suivantes :

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

Exercice 3

Développer chacune des expressions littérales suivantes :

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

Exercice 4

Développer chacune des expressions littérales suivantes :

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

Exercice 5

Développer chacune des expressions littérales suivantes :

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

Exercice 6

Développer chacune des expressions littérales suivantes :

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