

Corrigé du DM1

1ALT

Exercice 1

$$1) 7 \cdot 100 + 51 \times 2 = 210$$

$$2) 100 + 5 \times 2 = 110$$

$$3) 13 + 7 \times 2 - 5 = 13 + 14 - 5 \\ = 22$$

$$4) (13 + 7) \cdot (2 - 5) = 26 + 14 - 65 - 35 \\ = 40 - 100 \\ = -60$$

$$5) 8 \times 4 + 3 \times 2 = 38$$

$$\begin{aligned} 6) \quad 8 \times (4 + 3) \times 2 &= (32 + 24) \times 2 \\ &= 64 + 48 \\ &= 112 \end{aligned}$$

$$\begin{aligned} 7) \quad (5x + 6) \times (3x + 2) &= 15x^2 + 18x + 10x + 12 \\ &= 15x^2 + 28x + 12 \end{aligned}$$

$$\begin{aligned} 8) \quad 5x + 6(3x + 2) &= 5x + 18x + 12 \\ &= 23x + 12 \end{aligned}$$

$$\begin{aligned} 9) \quad 2 - (2R + 5) &= 2 - 2R - 5 \\ &= -2R - 3 \end{aligned}$$

$$\begin{aligned} 10) \quad 3y + x(y^2 - 2y) &= 3y + xy^2 - 2xy \\ &= xy^2 - 2xy + 3y \end{aligned}$$

$$11) \quad 3y + xy^2 - 2y = xy^2 + y$$