Calcul littéral, *correction*

Exercice

Calculer les expressions algébriques suivantes :

$A = 4x + 5 - x^2, pour\ x = 3$

$A = 4 \times 3 + 5 - 3^2$

$A = 12 + 5 - 9$

$A = 8$

$B = -3x + 6x + 2x^2, pour\ x = -1$

$B = -3 \times (-1) + 6 \times (-1) + 2 \times (-1)^2$

$B = 3 - 6 + 2$

$B = -1$

$C = 2(y - y^2) + 2y, pour\ y = -3$

$C = 2 \times (-3 - (-3)^2) + 2 \times (-3)$

$C = 2 \times (-3 - 9) + (-6)$

$C = 2 \times (-12) - 6$

$C = -24 - 6$

$C = -30$

$D = \dfrac{5(-d)^2}{3d - d^3}, pour\ d = -2$

$D = \dfrac{5(-(-2))^2}{3 \times (-2) - (-2)^3}$

$D = \dfrac{5 \times 4}{-6 - (-8)}$

$D = \dfrac{20}{2}$

$D = 10$