



Test 1

Calcul littéral

Le Châtelard

Exercise 1 (10 points) Link the expressions that are equal:

- | | | |
|----------------------------|---|------------|
| a) $3(y + 2 + 2y)$ | ● | ● y |
| b) $y + 2y - 3y + 4y - 5y$ | ● | ● $2y - 1$ |
| c) $5y - 4y$ | ● | ● $9y + 6$ |
| d) $1.5y - 2 + 0.5y + 1$ | ● | ● $3y + 8$ |
| e) $7(y - 1) - 7y$ | ● | ● -7 |
| f) $-y + 4(y + 2)$ | ● | ● $6y$ |
| g) $3(y - 1) + 3(y + 1)$ | ● | ● 0 |
| h) $7 + y - 7 - y$ | ● | ● $-2y$ |
| i) $3y - 5y$ | ● | ● $-y$ |
| j) $5 - y + 4$ | ● | ● $9 - y$ |

Exercise 2 (6 points) Calculate and provide the simplest result:

a) $(-2x) \cdot (4 + x) =$

b) $2a - 7 - 4 =$

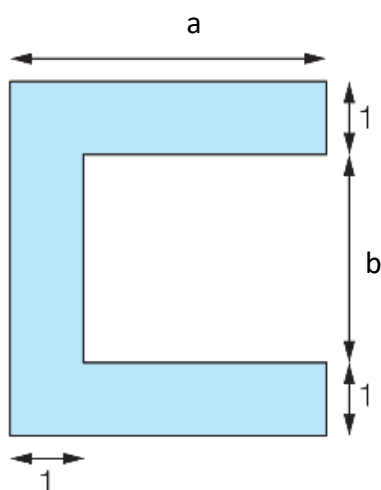
c) $10(4y + 9) - 6y =$

d) $5(x + 2) - 3x =$

e) $(2x + 1)(x - 1) =$

f) $3y + 2(5 - y) + 4 =$

Exercise 3 (4 points) Calculate the **area** and the **perimeter** of the figure bellow:



area :

perimeter :