

## Correction contrôle du 03/04

### Exercice 1 :

$$\begin{aligned} A &= 48x - 27 + (-77x + 432 + 13x) \\ &= 48x - 27 + (-77x) + 432 + 13x = -16x + 405 \end{aligned}$$

$$\begin{aligned} B &= 17 - 23x + (9x + 114x - 34) \\ &= 17 - 23x + 9x + 114x - 34 = 100x - 17 \end{aligned}$$

$$\begin{aligned} C &= 54x + 227 - (33x + 749 - 99x) \\ &= 54x + 227 - 33x - 749 + 99x \\ &= 120x - 522 \end{aligned}$$

$$\begin{aligned} D &= 67x - 321 - (-79x + 947 + 426x) \\ &= 67x - 321 + 79x - 947 - 426x \\ &= -280x - 1268 \end{aligned}$$

$$\begin{aligned} E &= 19x + 8 - (-42x + 17) + (-19x + 14) \\ &= 19x + 8 + 42x - 17 - 19x + 14 \\ &= 42x + 5 \end{aligned}$$

### Exercice 2:

$$F = 9(x + 7) = 9 * x + 7 * 9 = 9x + 63$$

$$G = 7x(x + 12) = 7x * x + 7x * 12 = 7x^2 + 84$$

$$H = 8(x - 6) = 8 * x - 8 * 6 = 8x - 48$$

$$I = 5x(x - 4) = 5x * x - 5x * 4 = 5x^2 - 20x$$

$$J = -2x(x - 11) = -2x * x - (-2x * 11) = -2x^2 + 22x$$