Corrigé des exercices n°20 page 102 et n°29 page 103

Exercice n°20

a = 4n + (3n + 1) a= 4**n** + 3**n** + 1 a= (4 + 3) **n** + 1 a = 7n + 1	b = 17- 2 x (-5 - x) b = 17 + (-2) x (-5) + (-2) x (-x) b = 17 + 10 + 2x b = 2x + 27	c = 13k – (2k + 4) x 10 c = 13k – (10 x 2k + 10 x 4) c = 13k - (20k + 40) c = 13**k** – 20**k** – 40 c = (13 – 20) **k** – 40 c = -7k - 40
d = 8m + 4 + (-2m - 5) d = 8m + 4 – 2m - 5 d = 8m – 2m + 4 - 5 d = (8 - 2)m – 1 d = 6m - 1	e = (-2t + 1) - t e = -2t + 1 - t e = -2t – t + 1 e = (-2 – 1)t + 1 e = -3t + 1	f = 8 (5x + 2) + 3 f = 8 x 5x + 8 x 2 + 3 f = 40x + 16 + 3 f = 40x + 19

Exercice n°29

7x + 5 – (x – 7) = 7x + 5 – x + 7 = 7x – x + 5 + 7 = 6x + 12

x + 5(x + 2) + 2 = x + 5x + 10 + 2 = 6 x + 12

2 (2 + 3x) = 2 x 2 + 2 x 3x = 4 + 6x

3(2x + 4) = 3 x 2x + 3 x 4 = 6x + 12

6(x + 2) = 6 x x + 6 x 2 = 6x + 12