

I) Réduire (si possible) et supprimer les signes \times :

$$A = 5 \times x \times y$$

$$B = 3 \times 6 \times x$$

$$C = 6 + 10 \times x$$

$$D = 7 \times x \times y \times 2$$

$$E = 3 \times x \times x$$

$$F = 3 \times x + 5 \times y$$

$$G = 6 \times x - 3 \times y$$

$$H = 8 \times x \times 3 \times y$$

$$I = a \times 4 + 6 \times b$$

$$J = 5 \times x \times x \times 3$$

$$K = [(a / 4) + (b \times 2)]$$

$$L = 3 \times a \times b \times a - c \times 4 \times a$$

$$M = 2 \times (3 \times x \times 2 \times y)$$

$$N = 8 \times a + 15 \times a - 3 \times a$$

$$O = 19x - 13x + 11x$$

$$P = 4 \times b \times 9 + 4 \times a \times a - c \times 3$$

$$Q = 2 \times a \times a + b \times b \times b$$

$$R = b \times a \times b \times 9 + 9 \times a + b \times a \times b \times 4$$

$$S = a \times 2 \times 2 + 2 \times 3 \times b + 6 \times a + 1 \times b - b^2$$

$$T = 3 + 5 \times a \times 7 + 2 \times a \times a + a \times 9 \times 8 + 7$$

$$U = 4b^2 + b \times b + ab \times 3 + 9b + a \times 6 \times b \times 3$$

II) Sachant que $x = 8$; $y = 5$ et $z = 1$ calculer :

$$A = 5x + 3$$

$$B = 5x \times 3$$

$$C = 5(x + 3)$$

$$D = (5 + x) \times 37$$

$$E = 2x - 3y + 2z$$

$$F = 6x + 2y - 4z$$

$$G = 8x + 3 - 3y$$

$$H = x + y(3x - 2y)$$

$$I = 2(x^2 - 3y + z)$$

$$J = y^3 - 3(xyz + 1)$$

III) Calculer astucieusement :

$$A = 45 \times 99$$

$$B = 2,7 \times 3,6 + 2,7 \times 6,4$$

$$C = 18 \times 101$$

$$D = 57 \times 0,82 + 0,82 \times 43$$

$$E = 34 \times 45 + 64 \times 45 - 45 \times 8$$

$$F = 12 \times 9,9$$

$$G = 7,53 \times 3,26 + 6,74 \times 7,53$$

$$H = 456,7 \times 1001$$

$$I = 12 \times 199$$

$$J = 21 \times 65,7 + 9 \times 65,7 + 30 \times 34,3$$