

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 :

$$A = 5x + 3$$

$$B = 5x \times 3$$

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

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

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

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

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

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

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

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

$$K = x^2 - y^2$$

$$L = x(x - y - 1)^2$$

$$M = 16 - (y - z^2)^2$$

$$N = xy^2$$

$$O = (xy)^2$$

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

$$Q = xyz / (x - y - z)$$

$$R = 2y^2 + 4y + 10$$

$$S = (z - 1)(z + 1) + y^3$$

$$T = (x - y)^2 + (x - y)^2 + (x - y)^2 + (x - y)^2 + (x - y)^2$$

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