

حل سلسلة تمارين : النشر والتبسيط

الحلول

حل التمرين رقم 1

$$A = x + 7x - 4x + 2x$$

$$A = 10x - 4x$$

$$A = 6x$$

$$B = 2y - 0,5y + 3,3y$$

$$B = 5,3y - 0,5y$$

$$B = 4,8y$$

$$C = -2a + 3b + 5a - 1,2b$$

$$C = 5a - 2a + 3b - 1,2b$$

$$C = 3a + 1,8b$$

حل التمرين رقم 2

$$D = 2(x + 8) - (x + 6)$$

$$D = 2x + 16 - x - 6$$

$$D = x + 10$$

$$E = 5(x - 1) + 3(x + 1)$$

$$E = 5x - 5 + 3x + 3$$

$$E = 8x - 2$$

$$F = x - 4(x - 3) + 3(x - 2)$$

$$F = x - 4x + 12 + 3x - 6$$

$$F = 6$$



حل التمرين رقم 3:

$$A = 3(a - b) - 2(a + b) + 4b$$

$$A = 3a - 3b - 2a - 2b + 4b$$

$$A = a - b$$

$$B = 3b + 5(a + b) - 4(2b - a)$$

$$B = 3b + 5a + 5b - 8b + 4a$$

$$B = 9a$$

$$C = 3(a - b + c) - 7(a - b) + 4(a - c - b)$$

$$C = 3a - 3b + 3c - 7a + 7b + 4a - 4c - 4b$$

$$C = -c$$

$$D = 3(1/5 + x) + (1/2)(2x - 1/5)$$

$$D = 3/5 + 3x + x - 1/10$$

$$D = 4x + 1/2$$

$$E = 1/6(x/5 - 1/12) + (1/15)(5 - x/2) + 1/72$$

$$E = x/30 - 1/72 + 1/3 - x/30 + 1/72$$

$$E = 1/3$$

$$F = (x/10)(1 - x/10) + x^2/100$$

$$F = x/10 - x^2/100 + x^2/100$$

$$F = x/10$$

$$G = 0,25(2x - 3) - 1/2(1/2 + x)$$

$$G = 0,25 \times 2x - 0,25 \times 3 - 1/4 - 1/2 x$$

$$= -1$$