EX 1 Réduire les expressions suivantes

5L12-2

1. $A = 9x + 7x$
2. $B = 8x \times 5$
3. $C = 6x + 4$
4. $D = 3x \times 9x$
5. $E = 2x + 5$
6. $F = 4x \times 3$
7. $G = 4x + 3x$
8. $H = 2x \times 7x$
9. $I = 4x + 5x$

EX 2 Réduire les expressions suivantes

5L12-2

1. $A = 2x + 9x + 4$
2. $B = 7x^2 + 9x + 4 + 6x^2 + x$
3. $C = 8x + 9 + x + 8$
4. $D = 4 + x + 4 + 7 + 7x$
5. $E = 8x + 4x + 4$
6. $F = 9 + x + 5 + 4 + 4x$
7. $G = 5x + 2 + x + 3$
8. $H = 9x^2 + 8x + 2 + 2x^2 + x$
9. $I = 3x^2 + 5x + 9 + 4x^2 + x$

EX 3 Réduire les expressions suivantes

5L12-2

1. $A = 7{,}4x + 7{,}4 + x + 9{,}8$
2. $B = 7{,}1 + x + 9{,}9 + 7{,}3 + 3{,}76x$
3. $C = 7{,}5x^2 + 7{,}9x + 7{,}1 + 2{,}62x^2 + x$
4. $D = 7{,}4x + 3{,}68x + 2{,}1$
5. $E = 7{,}9x + 4{,}3 + x + 7{,}8$
6. $F = 9{,}5x + 5{,}43x + 8{,}4$
7. $G = 2{,}8x^2 + 6{,}67x + 9{,}4 + 5{,}16x^2 + x$
8. $H = 2{,}3 + x + 8{,}7 + 6{,}1 + 3{,}6x$
9. $I = 4{,}8x + 6{,}13 + x + 5{,}9$

Corrections

EX 1

1. $A = 9x + 7x = 16x$

2. $B = 8x \times 5 = 40x$

3. $C = 6x + 4 = 6x + 4$

4. $D = 3x \times 9x = 27x^2$

5. $E = 2x + 5 = 2x + 5$

6. $F = 4x \times 3 = 12x$

7. $G = 4x + 3x = 7x$

8. $H = 2x \times 7x = 14x^2$

9. $I = 4x + 5x = 9x$

EX 2

1. $A = 2x + 9x + 4 = 11x + 4$

2. $B = 7x^2 + 9x + 4 + 6x^2 + x = 13x^2 + 10x + 4$

3. $C = 8x + 9 + x + 8 = 9x + 17$

4. $D = 4 + x + 4 + 7 + 7x = 8x + 15$

5. $E = 8x + 4x + 4 = 12x + 4$

6. $F = 9 + x + 5 + 4 + 4x = 5x + 18$

7. $G = 5x + 2 + x + 3 = 6x + 5$

8. $H = 9x^2 + 8x + 2 + 2x^2 + x = 11x^2 + 9x + 2$

9. $I = 3x^2 + 5x + 9 + 4x^2 + x = 7x^2 + 6x + 9$

EX 3

1. $A = 7,4x + 7,4 + x + 9,8 = 8,4x + 17,2$

2. $B = 7,1 + x + 9,9 + 7,3 + 3,76x = 4,76x + 24,3$

3. $C = 7,5x^2 + 7,9x + 7,1 + 2,62x^2 + x = 10,12x^2 + 8,9x + 7,1$

4. $D = 7,4x + 3,68x + 2,1 = 11,08x + 2,1$

5. $E = 7,9x + 4,3 + x + 7,8 = 8,9x + 12,1$

6. $F = 9,5x + 5,43x + 8,4 = 14,93x + 8,4$

7. $G = 2,8x^2 + 6,67x + 9,4 + 5,16x^2 + x = 7,96x^2 + 7,67x + 9,4$

8. $H = 2,3 + x + 8,7 + 6,1 + 3,6x = 4,6x + 17,1$

9. $I = 4,8x + 6,13 + x + 5,9 = 5,8x + 12,03$