

Nombres Relatifs

Corrigé

I-)

- 1) $5 + 8(2 + 3 - 8) - 5(2 + 4 \times 2 - 3 \times 3) - 5 \times 6 + 4$
 $= 5 + 8 \times (-3) - 5(2 + 8 - 9) - 30 + 4 = 5 - 24 - 5 \times 1 - 30 + 4$
 $= 5 - 24 - 5 - 30 + 4 = \boxed{-50}$
- 2) $-3 + 8 \times 5 + 2(3 + 4 \times 5 - 15) - (2 + 3)(3 - 8 + 2) + 5 \times 6 - 4$
 $=$
 $-3 + 40 + 2(3 + 20 - 15) - 5 \times (-3) + 30 - 4 = -3 + 40 + 2 \times 8 + 15 + 30 - 4$
 $= -3 + 40 + 16 + 15 + 30 - 4 = \boxed{94}$
- 3) $-3 - 5(2 + 4 \times 2 - 5 \times 3) - (2 - 8)(3 - 6) + 4 \times 2 - 5 + 6(4 + 3 - 2 \times 3)$
 $= -3 - 5(2 + 8 - 15) - (-6) \times (-3) + 8 - 5 + 6(4 + 3 - 6)$
 $= -3 - 5 \times (-5) - 18 + 8 - 5 + 6 \times 1 = -3 + 25 - 18 + 8 - 5 + 6 = \boxed{13}$

II-)

- 1) $-4(2 + 3 - 5) - 6(4 - 8 + 2) + 3(2 - 3 + 4) - (3 - 8 + 7)$
 $= -8 - 12 + 20 - 24 + 48 - 12 + 6 - 9 + 12 - 3 + 8 - 7 = \boxed{19}$
- 2) $5(2x + 4) - 6(3x - 5) + 7(-3x - 8) - 9(-5x + 4)$
 $= 10x + 20 - 18x + 30 - 21x - 56 + 45x - 36 = \boxed{16x - 42}$
- 3) $-8(2x + 5) - 2(3x - 9) + 7(-4x + 6) + 5(5x - 3)$
 $= -16x - 40 - 6x + 18 - 28x + 42 + 25x - 15 = \boxed{-25x + 5}$