Matemàtiques 2n d'ESO – IES Pons d'Icart
Exercicis 06 – Àlgebra II 2007/08

1. $7 + x = 11 + 6x$

2. $-(9x - 5) = -4$

3. $7x - 1 = 3 - (5 - 8x)$

4. $10 - (9x + 8) = 3x - 12 + x$

5. $9 - (4x - 11) = x - 2(4 - x)$

6. $3(x + 6) - 5(10 + 4x) = 4(-3 - x) - 5(9 + 5x)$

7. $3(5x - 6) + 4(7x - 12) = 6(4x - 11) + (7 + 8x)$

8. $-4(7x - 6) - 8x - 3 = -2(-9x - 3) + 4(4 - 9x)$

9. $-4(11x - 1) - (-5x + 4) = 5(9 + 6x) + 5(8 - 6x)$

10. $2(-11 - 4x) - 3(-4x + 7) = 2(11x - 3)$

11. $\dfrac{12 + 5x}{6} + \dfrac{9 + 12x}{3} + 2(4 + 2x) = 0$

12. $\dfrac{2 - 4x}{44} + 9 \cdot \dfrac{x + 1}{66} = -\dfrac{8x + 4}{22}$

13. $4(6x + 2) - \dfrac{3x - 2}{4} = 3(2 + 6x)$

14. $\dfrac{9 + 12x}{18} - \dfrac{10 + 9x}{24} = \dfrac{10x}{12} + \dfrac{1 - 5x}{30}$

15. $\dfrac{7 + 8x}{33} + \dfrac{4x + 6}{44} - 2 \cdot \dfrac{x + 3}{33} = 0$

Solucions

1. $x = -\dfrac{4}{5}$ **2.** $x = 1$ **3.** $x = 1$ **4.** $x = \dfrac{14}{13}$ **5.** $x = 4$ **6.** $x = -\dfrac{25}{12}$

7. $x = \dfrac{7}{11}$ **8.** $x = -\dfrac{1}{18}$ **9.** $x = -\dfrac{85}{39}$ **10.** $x = -\dfrac{37}{18}$ **11.** $x = -\dfrac{78}{53}$

12. $x = -\dfrac{8}{9}$ **13.** $x = -\dfrac{10}{21}$ **14.** $x = \dfrac{2}{15}$ **15.** $x = -\dfrac{11}{18}$