

Solving Multi Step Equations

Unit 2: Equations and Inequalities

Solve each equation:

1. $0 = -3r + 3r$	2. $2n + 1 + 8n = 11$
3. $8x + 3x = 3x + 8x$	4. $-p - 15 = p + 2 - 7$
5. $-8(-6 - 8x) = 176$	6. $-84 = -7(r + 4)$
7. $6(1 - 8a) = 102$	8. $2n + 8(n + 2) = 86$
9. $3x - 39 = -5(1 - 4x)$	10. $-7(n - 6) + 8 = 25 - 2n$

$$11. 7x + 40 = -7 + 5(1 - 7x)$$

$$12. -4(1 + 2x) + 5 = 1 - 8x$$

$$13. 64 = -6(2x - 4) + 5(8 - 7x)$$

$$14. -3(x + 4) - 6(x + 3) = -75$$

$$15. -8(6n + 7) - 5(1 - 7n) = 4$$

$$16. 2(1 + 5b) - 2(1 + 4b) = -2$$

$$17. -2(x + 1) + 4(6x - 5) = x + 1 - 2$$

$$18. 8(3a + 2) - 2 = 5(4a - 6)$$

$$19. 3 - (k - 4) = -7(-k + 7)$$

$$20. 8a - 4(2a + 5) = -4(a + 3) + 4a - 8$$