

23- Multi-step equations with one, no, and infinite solutions

Score _____ Per _____

Solve each equation.

1. $3 - 5r = 1 - 5r$

2. $-2 - k = 3k + 6$

3. $4 - 8x = -8x + 10$

4. $8 - 6v = 8 - 6v$

5. $1 + 6x = 6x + 1$

6. $39 + 4a = 7a + 3(5 + 3a)$

7. $2(x + 8) = -16 - 7x$

8. $7 - 5n = -(n - 7) - 4n$

9. $-4 - 6x = 3x - 4(1 - 6x)$

10. $6x - 5(2x + 7) = -4x - 35$

11. $8(7 - 4r) + 5r = -2(1 - r)$

12. $-2(1 + 3n) = -6(n + 6)$

13. $-8(5 + 7n) = 31 - 56n$

14. $-(4x + 2) = -x - 3(x - 4)$

15. $-2(1 + 6k) = 2 + 8(-5k + 3)$