

Solve. Show all work.

1. $3(y+9) = 3(y+5)$	2. $6 - (8 - 4n) = 2(2n - 1)$
3. $-5(y - 9) = -(3 + 5y)$	4. $4 - (6 - 5n) = 2n + 5$
5. $3(x + 5) = 8x + 15 - 5x$	6. $2x + 5 = 2(x - 1)$
7. $17 + 2x = 2(10 + x)$	8. $2(2x + 1) = 6x + 3$
9. $7 + 2(x + 1) = 2x + 9$	10. $2x - 4(x - 5) = 2(10 - x)$

11. $5x + 4 = 7(x + 1) - 2x$	12. $-2(2x - 3) = 6 - 4x$
13. $5a - 40 = 3a$	14. $x = 9x - 72$
15. $4y + 20 = 5y + 9$	16. $2x + 36 = -3x - 54$
17. $6(2x + 3) = 28 + 2x$	18. $7x - 4 = 2x + 5(x + 7)$
19. $-4(y - 2) = 24 - 8y$	20. $15x = 14 + 2(x + 6)$