
Day 1 – SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES

Solve the Equations. Show all Steps!!!

1. $4x - 6 = x + 9$

2. $4 - 7x = 1 - 6x$

3. $-4x - 3 = -6x + 9$

4. $41 - 2n = 2 + n$

5. $6(2 + y) = 3(3 - y)$

6. $4y = 2(y - 5) - 2$

7. $6x - 9x - 4 = -2x - 2$

8. $-2(2x + 3) = -4(x + 1) - 2$

9. $3 - 6a = 9 - 6a$

10. $-9x + 6 = -x + 4$

$$11. 5x - 7 = -10x + 8$$

$$12. 7y + 3 = 4y - 18$$

$$13. -3(y + 3) = 2y + 3$$

$$14. 2(-3a + 5) = -4(a + 4)$$

$$15. 6x - 4 = 2(3x - 2)$$

$$16. -6x + 9 = 4(5 - x)$$

$$17. 3(x + 2) = -5 - 2(x - 3)$$

$$18. 2(x - 3) = \frac{1}{2}(4x - 12)$$

$$19. 2(x - 3) = (x - 1) + 7$$

$$20. -(x + 7) = -6x + 8$$