

Algebra I

4.6 Worksheet #1

Solving Two-Step Equations (variable on one side)

NAME: _____

DATE: _____ HOUR: _____

Solve the equations by first adding or subtracting from both sides of the equation then multiplying or dividing both sides of the equation. Show all steps. Box and check your solutions.

1. $4y + 9 = -43$

2. $62 = 5n - 13$

3. $13a - 72 = 58$

4. $6k + 23 = 17$

5. $3 + 2v = 17$

6. $28 = 11w - 5$

7. $4x + 3 = 27$

8. $2n + 5 = 39$

9. $4t + 8 = 28$

10. $3m - 2 = 25$

11. $6y - 4 = 20$

12. $6k - 3 = 39$

13. $2y + 10 = 32$

14. $8y - 2 = 14$

15. $6a + 4 = 28$

16. $3y - 5 = 7$

17. $5t + 7 = 52$

18. $5c - 2 = 33$

1.
 $20.4 = 12t - 2.4$

2.
 $44.6 = 8x + 3$

3.
 $12t - 10.2 = 37.8$

4.
 $24a + 12.4 = 84.4$

5.
 $19.5 = 8y + 3.9$

6.
 $18b + 2.8 = 10$

7.
 $8w + 12 = 13.6$

8.
 $44 = 3d - 7.3$

9.
 $12.8 = 4h + 4.8$

10.
 $5x + 5.6 = 16.1$

11.
 $2z - 8 = 1.26$

12.
 $11.6 = 6k + 1.4$

13.
 $3.6 = 3m - 6.9$

14.
 $2t + 5.8 = 10.3$

15.
 $19.6 = 4r + 2.8$

16.
 $3s - 2.6 = 1.39$