

Lesson 4 Skills Practice

Solve Equations with Variables on Each Side

Solve each equation. Check your solution.

1. $3w + 6 = 4w$ **6**

2. $a + 18 = 7a$ **3**

3. $8c = 5c + 21$ **7**

4. $11d + 10 = 6d$ **-2**

5. $2e = 4e - 16$ **8**

6. $7v = 2v - 20$ **-4**

7. $4n - 6 = 10n$ **-1**

8. $2y + 27 = 5y$ **9**

9. $8h = 6h - 14$ **-7**

10. $18 - 2g = 4g$ **3**

11. $4x - 9 = 6x - 13$ **2**

12. $5c - 15 = 2c + 6$ **7**

13. $t + 10 = 7t - 14$ **4**

14. $8z + 6 = 7z + 4$ **-2**

15. $2e - 12 = 7e + 8$ **-4**

16. $9k + 6 = 8k + 13$ **7**

17. $2d + 10 = 6d - 10$ **5**

18. $-2a - 9 = 6a + 15$ **-3**

19. $8 - 3k = 3k + 2$ **1**

20. $7t - 4 = 10t + 14$ **-6**

21. $3c - 15 = 17 - c$ **8**

22. $14 + 3n = 5n - 6$ **10**

23. $3y + 5.2 = 2 - 5y$ **-0.4**

24. $10b - 2 = 7b - 7.4$ **-1.8**

25. $2m - 2 = 6m - 4$ **0.5**

26. $3g + 5 = 7g + 4$ **0.25**

27. $4s - 1 = 8 - 2s$ **1.5**

28. $9w + 3 = 4w - 9$ **-2.4**

29. $6z - 7 = 2z - 2$ **1.25**

30. $3 - a = 4a + 12$ **-1.8**