

Chapter 6 Section 6: Solving Equations with Decimal Numbers

Problems

Solve. Round each answer to the hundredths place, if necessary.

1. $y - 0.5 = 9$

2. $x + 1.2 = 7.1$

3. $s + 5.7 = 8.4$

4. $5y = 2.15$

5. $0.4m = -50$

6. $3.47w = 5.9$

7. $4.02x = 8.48$

8. $-19.88t = 1.569$

9. $2y - 4.2 = -8.6$

10. $0.7k + 0.1 = 1.5$

11. $7x - 10.8 = 1$

12. $0.2x + 0.75 = 0.31$

13. $6x + 8.65 - 3x = 10$

14. $7.76 + 8z - 12z = 8.91$

15. $0.58v + 3 - 4.003v = 12$

16. $3x = 7x + 24.4$

17. $7x - 9.64 = 5x + 2.32$

18. $0.7x + 13.8 = x - 2.16$

19. $2(x - 1.3) = 5.8$

20. $5(t + 2.3) = 19.5$

21. $1.2(8d - 1.2) = 0.6$

22. $3.4(g + 6) = 13.22$

23. $4(2x - 1.6) = 5x - 6.4$

24. $6.44(u + 4) + 3.8u = -6.1$

25. $5(0.212x - 1.1) = 3(4x + 7.02)$

26. $-4.5(5r + 2.23) = 2.1(7r + 6)$

27. $0.03(0.2v - 4) = -7.4(v - 7)$

28. $5.26(4.9c - 0.01) = -7(9 + 4c) + 8.5 - 2.3c$

29. $9.7(1 - y) - 2.4(0.2y + 3) = 1.9(y + 1)$

30. $-(k + 6.11) = 8(k + 0.4) - 3.2(1.03k - 1)$
