

EXTRA PRACTICE 9**Solving Equations Using the Addition and Multiplication Principles**

Use after Sections 2.1 - 2.3

Name _____

Solve.

1. $x + 37 = 98$ _____ 2. $y - 53 = 141$ _____ 3. $59 + a = -123$ _____

4. $-72 + t = -40$ _____ 5. $-55 = x + 32$ _____ 6. $a + \frac{5}{6} = -\frac{1}{2}$ _____

7. $\frac{3}{4} + x = \frac{7}{8}$ _____ 8. $y - 3\frac{1}{2} = -2\frac{2}{3}$ _____ 9. $48x = -192$ _____

10. $-25a = -200$ _____ 11. $-15y = 96$ _____ 12. $-\frac{1}{3}x = 48$ _____

13. $\frac{3}{2}r = -\frac{4}{5}$ _____ 14. $x - 56 = -42$ _____ 15. $15 - y = 33$ _____

16. $51 - x = -133$ _____ 17. $-31t = -93$ _____ 18. $-53 + a = 65$ _____

19. $-\frac{5}{3}b = -\frac{1}{6}$ _____ 20. $58x = -145$ _____ 21. $-89 = -27 - a$ _____

22. $\frac{x}{4} = -45$ _____ 23. $\frac{r}{-3} = \frac{1}{3}$ _____ 24. $\frac{11}{2}y = -3\frac{2}{3}$ _____

25. $t + \frac{5}{8} = -\frac{3}{4}$ _____ 26. $\frac{b}{-5} = 11$ _____ 27. $-\frac{7}{8}t = -\frac{7}{8}$ _____

28. $3x + 5x = 48$ _____ 29. $18x - 12x = -96$ _____

EXTRA PRACTICE 9 (continued)
Solving Equations Using the Addition and Multiplication Principles
Use after Sections 2.1 - 2.3

30. $3y - 13y = 50$

31. $9t - 16t = -49$

32. $5a - 4 = 26$

33. $8r + 16 = -48$

34. $-10x - 41 = 69$

35. $11b = 45 - 4b$

36. $9z + \frac{1}{2}z = 38$

37. $x + 58 = 135$

38. $62y = -558$

39. $3a + 4a - 3 = 11$

40. $6x + 5 - 2x = -19$

41. $9r + 3r - 5 = 25$

42. $3x + 2 = 2x - 6$

43. $5z - 4 = 4z - 3$

44. $4y + 2y - 7 = 3y + 11$

45. $3t - 5 = 7t + t - 15$

46. $6x + 5x - 4 = 2x - 8$

47. $\frac{1}{2}x + \frac{1}{3}x = \frac{1}{6}x - 5$

48. $\frac{2}{3}y - \frac{5}{4}y + 8 = -\frac{11}{12}y - 4$ _____

49. $\frac{z}{-5} = -15$ _____

50. $\frac{t}{2} = -33$ _____

51. $\frac{h}{13} = 0$ _____

52. $-2y + 7 = 7$ _____

53. $5x - 4 = 4x - 4$ _____

54. $-3462a = 0$ _____