

Solving Equations 2

Solve each of the following equations. Show all working!

1. $2x = 40$

2. $3x = 27$

3. $4x = 44$

4. $5x = 4x + 7$

5. $3x = x + 6$

6. $7x = 3x + 20$

7. $2x + 3 = x + 6$

8. $3x + 1 = x + 9$

9. $8x + 3 = x + 59$

10. $2(x + 1) = 10$

11. $3(x + 3) = 27$

12. $2(x + 3) = 12$

13. $8(x + 1) = 16$

14. $15(x + 1) = 60$

15. $3(2x + 1) = 27$

16. $8(2x + 3) = 56$

17. $7(x + 3) = 70$

18. $5(2x + 3) = 65$

19. $4(4x + 3) = 60$

20. $7(2x + 5) = 49$

21. $8(x + 9) = 104$

22. $2(x + 3) = x + 16$

23. $3(x + 4) = 2x + 14$

24. $5(x + 4) = x + 40$

25. $8(x + 5) = 5x + 61$

26. $3(2x + 5) = 5x + 20$

27. $3(5x + 1) = 7x + 27$

28. $6(3x + 2) = 8x + 22$

29. $9(4x + 3) = 6x + 57$

30. $2(2x + 1) = 3(x + 1)$

31. $4(x + 1) = 2(x + 4)$

32. $4(2x + 1) = 5(x + 2)$

33. $4(x + 3) = 2(x + 12)$

34. $4(2 + 3x) = 8(5 + x)$

35. $3(3 + 4x) = 11(2 + x)$

36. $3(x + 1) = 2x + 3$

37. $2(3x + 1) + 3 = 35$

38. $2(x + 4) + 5 = x + 16$

39. $5(2x + 3) + 2 = 8x + 21$

40. $6(x + 1) + 2(x + 1) = 4(x + 4)$