

Exercise 14.4

Solve the following equations:

1. $2(x + 3) = 12$

3. $3(x + 4) = 18$

5. $3(2x + 1) = 33$

7. $3(2x + 1) = 2x + 11$

9. $3(2x - 10) = 2x + 10$

11. $4(2x - 3) = 2(3x - 5)$

13. $3(5x - 2) = 4(3x + 6)$

15. $5(x + 4) - 3(x - 2) = 32$

17. $6(1 + 2x) = 5(3x - 1) - 4$

2. $2(x - 1) = 6$

4. $5(x - 1) = 10$

6. $4(2x - 3) = 36$

8. $5x + 5 = 2(2x + 5)$

10. $5(2x - 1) = 8x + 7$

12. $3(2x - 6) = 2(2x + 1)$

14. $5(3x - 2) = 7(2x - 1)$

16. $5(2x - 4) = 3(2x - 1) - 1$

18. $2(x + 2) - 3(x - 3) = x + 7$

19. Use the given diagram to write down an equation in x .

Now solve the equation to find the value of x .

