

1. $9a + 8 = 17$

8. $5h + 4(7h - 11) + 3 = 355$

2. $-5 = 4b - 13$

3. $5(2c - 14) = -40$

9. $12j - 17 = 7j + 58$

4. $-2(3d - 84) = 144$

10. $3k - 90 = 6k - 144$

5. $3e + 7 + 5e - 9 = 46$

11. $5(2m - 9) = 2m + 123$

6. $17f + 38 - 6f + 11 = 137$

12. $-8(3n - 10) = -21n + 8$

7. $3(2g + 4) + 9g = 162$

13. If you have done these problems right the answers should form a sequence.

_____ a. What is the next term in the sequence?

b. Write an equation whose answer is the next term in the sequence.

There is no pattern to the answers in the problems below.

14. $5x + 57 = 812$... answer = 151

21. $3(5y - 4) + 7(2y + 11) = 7$... answer = -2

15. $-4n + 17 = -195$... answer = 53

22. $3(2e + 4) - 9(3e - 2) = 9$... answer = 1

16. $48 - 3y = 432$... answer = -128

17. $22 - 4g = 90$... answer = -17

23. $2w + 95 = 4w - 137$... answer = 116

18. $19 + 6a = 337$... answer = 53

24. $5(2d + 3) + 24 = 3w + 45 + 4w - 6$
... answer = 0

19. $-13 = 2x + 75$... answer = -44

20. $7z + 13 - 5z + 8 - 3z - 15 + 6z = 48$
... answer = 9