

1. $f(x) = 2x - 3$

x	$f(x)$
7	11
-2	-7
13	23
0	-3

2. $h(x) = 6x + 2$

x	$h(x)$
20	122
4	26
-2	-10
-1	-4

3. $n(s) = \frac{1}{2}s - 1$

s	$n(s)$
18	8
8	3
24	11
30	14

4. $m(a) = -a + 6$

a	$m(a)$
-56	62
-4	10
-10	16
3	3
20	-14

5. $f(x) = 3x$

6. $g(x) = x + 8$

7. $g(x) = -2x$

8. $f(x) = 4x$

9. $f(x) = x - 4$

10. $j(x) = \frac{1}{2}x$

11. $m(x) = \frac{1}{3}x$

12. $l(x) = x - 7$

13. $p(k) = 2k + 1$

14. $g(x) = x + 10$

15. Arithmetic

16. Neither

17. Geometric

18. Common difference: 5 Next three terms: 25, 30, 35

19. Common difference: 10 Next three terms: 26, 36, 46

20. Common difference: -2 Next three terms: -8, -10, -12

21. Common difference: 1.5 Next three terms: 6.5, 8, 9.5

22. Common difference: -7 Next three terms: -15, -22, -29

23. Common ratio: $\frac{1}{3}$ Next three terms: $5, \frac{5}{3}, \frac{5}{9}$

24. Common ratio: 3 Next three terms: 54, 162, 486

25. Common ratio: -2 Next three terms: 16, -32, 64

26. Common ratio: $\frac{1}{4}$ Next three terms: 250, 62.5, 15.625

27. Common ratio: 2 Next three terms: 72, 144, 288

28. $a(n) = 5 + 5(n - 1)$

29. $a(n) = -4 + 10(n - 1)$

30. $a(n) = 0 + (-2)(n - 1)$

31. $a(n) = 0.5 + 1.5(n - 1)$

32. $a(n) = 13 + (-7)(n - 1)$

33. $g(n) = 135 * \left(\frac{1}{3}\right)^{n-1}$

34. $g(n) = 2 * 3^{n-1}$

35. $g(n) = 1 * (-2)^{n-1}$

36. $g(n) = 16000 * \left(\frac{1}{4}\right)^{n-1}$

37. $g(n) = 9 * 2^{n-1}$