

Worksheet #4 Ans

1. $a_{10} = 12$

2. $a_{33} = -71x$

3. $a_{20} = x + 27y$

4. 15^{th}

19, 12, 5, -2, -9,

5. -16, -23, -30

6. $3x + 2y$, $4x - y$

7. $t_1 = 22$

8. $t_7 = 14$

9. $380m$

10. 8 years

11. 27 bricks

12. 585

13. 4087

14. 510 seats

15. $\$340$

16. $24, 48, 96$

17. $\frac{-1}{6}$, $\frac{1}{18}$, $\frac{-1}{54}$

18. -48

19. 0.1875

20. $6, 18, a_n = 2(3)^{n-1}$

21.

24. $12, 6, 3, a_n = 48\left(\frac{1}{2}\right)^{n-1}$

22. $a_4 = 32$

23. $a_5 = \$78,125$

24. 63.9375 meters

25. 189

26. 105.5

27. $a_1 = 3$ & $a_n = 384$

28. $a_3 = 32$ & $r = 4$

$a_3 = 50$ & $r = -5$