

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

6

7 - Exercises

4-34 even, :

ALL EVEN

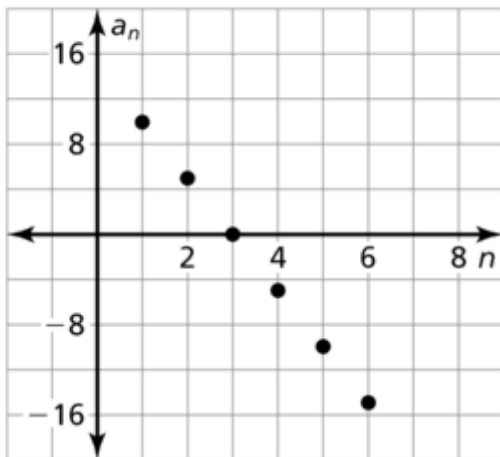
Show Sol

ODD

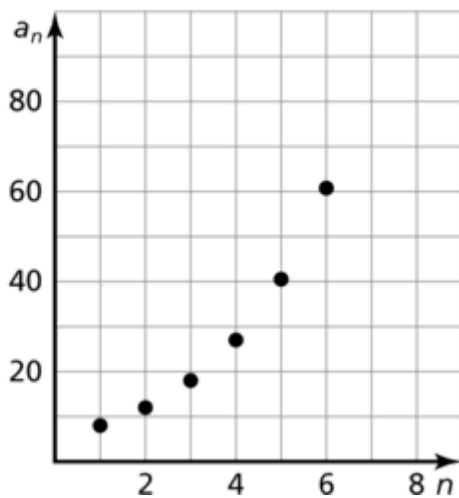
4. arithmetic

6. geometric

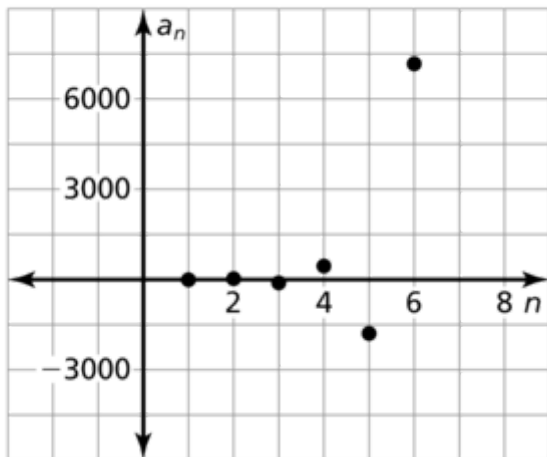
8. 10, 5, 0, -5, -10, -15



10. 8, 12, 18, 27, 40.5, 60.75



12. $-7, 28, -112, 448, -1792, 7168$



14. $a_1 = 8, a_n = 3a_{n-1}$

16. $a_1 = 3, a_n = a_{n-1} + 8$

18. $a_1 = 5, a_n = -4a_{n-1}$

20. $a_1 = 35, a_n = a_{n-1} - 11$

22. $a_1 = 4\frac{1}{2} \text{ in.}, a_n = \left(a_{n-1} + \frac{1}{4}\right) \text{ in.}$

24. $a_n = -12n + 20$

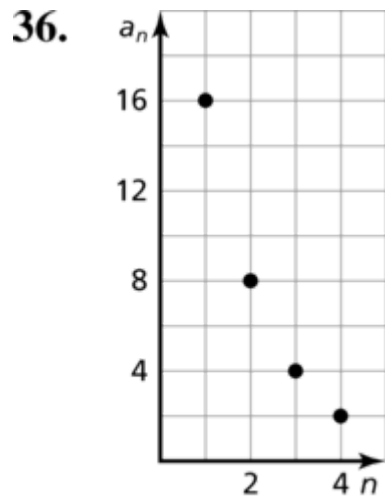
26. $a_n = -2(9)^{n-1}$

28. $a_n = 5(-5)^{n-1}$

$$30. a_1 = -2, a_n = a_{n-1} - 4$$

$$32. a_1 = -14, a_n = a_{n-1} + 6$$

$$34. a_1 = -81, a_n = \frac{2}{3}a_{n-1}$$



$$a_1 = 16, a_n = \frac{1}{2}a_{n-1}; a_n = 16\left(\frac{1}{2}\right)^{n-1}$$

$$40. a_1 = 10, a_2 = 9, a_n = a_{n-2} - a_{n-1}; -22, 37$$

$$44. a_1 = 64, a_2 = 16, a_n = \frac{a_{n-2}}{a_{n-1}}; 4, \frac{1}{4}$$

46. The sequence is not arithmetic; Each term in the sequence is the sum of the preceding two terms; $a_1 = 2, a_2 = 4,$

$$a_n = a_{n-2} + a_{n-1}$$

56. Each row begins and ends with 1, and each term is the sum of the two terms above it in the previous row;

$$a_{1,n} = 1, a_{n,n} = 1, a_{m,n} = a_{m-1,n-1} + a_{m,n-1}$$