

More Practice: Intro to Series

For the given sequences:

- Determine** if it is Arithmetic or Geometric
- Write** the terms of the given partial sum
- Calculate** the partial sum

Ex: $a = 6, 3, 0, -3, \dots; S_7$

a. *Arithmetic* **b.** $S_7 = 6 + 3 + 0 + -3 + -6 + -9 + -12$ **c.** $= -21$

1. $a = 6, 3, 0, \dots; S_6$

2. $a = 1, 5, 9, 13, \dots; S_5$

3. $a = 2, 6, 18, 54, \dots; S_4$

4. $a = 5, 8, 11, 14, \dots; S_8$

5. $a = 1, -3, 9, -27, \dots; S_6$

6. $a = 2.3, 1.9, 1.5, 1.1, \dots; S_7$

7. $a = 2, 4, 6, 8, \dots; S_{12}$

8. $a = \frac{1}{2}, \frac{5}{2}, \frac{9}{2}, \frac{13}{2}, \dots; S_6$

9. $a = \frac{1}{2}, \frac{3}{2}, \frac{9}{2}, \frac{27}{2}, \dots; S_6$

10. $a = 0, 0, 0, 0, \dots; S_{300}$