

## Chapter 4 Lesson 5: Arithmetic Sequences

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**Find the three terms in the sequence after the last one given.**

1)  $-26, -36, -46, -56, \dots$

2)  $-2, -32, -62, -92, \dots$

3)  $23, 33, 43, 53, \dots$

4)  $35, 44, 53, 62, \dots$

5)  $11, 4, -3, -10, \dots$

**Find the common difference.**

6)  $31, 27, 23, 19, \dots$

7)  $7, 2, -3, -8, \dots$

8)  $0, 2, 4, 6, \dots$

9)  $-18, -15, -12, -9, \dots$

10)  $26, 32, 38, 44, \dots$

**Find the explicit formula.**

11)  $-16, -24, -32, -40, \dots$

12)  $6, 36, 66, 96, \dots$

13)  $-20, -13, -6, 1, \dots$

14)  $13, 5, -3, -11, \dots$

15)  $-19, -27, -35, -43, \dots$

16)  $1, -8, -17, -26, \dots$

17)  $30, 20, 10, 0, \dots$

18)  $-6, -12, -18, -24, \dots$

**Evaluate each expression.**

19)  $10 \div 2 \cdot 6 + 5$

20)  $5 - 2 - 3 + 1$

21)  $3 - 2 + 3 + 6$

22)  $6(4 - 1 + 3)$

**Solve each equation.**

23)  $4b + 6b = -20$

24)  $7x + 6x = 13$

25)  $7 - 6p - 3 = -20$

26)  $1 + 8x + 6 = 15$