

Explicit Formulas for Arithmetic Sequences

A) Write the arithmetic sequence using the given general term.

1) $a_n = -5 + 19n$

2) $a_n = -2.3 + 3(n - 1)$

3) $a_n = -\frac{11}{8} + \frac{7}{3}(n - 1)$

4) $a_n = 12 - 2(n + 3)$

5) $a_n = 13.8 - 5.3(n + 1)$

6) $a_n = -5\sqrt{3} + 2\sqrt{3}n$

B) Write the general term of each arithmetic sequence.

1) $-\frac{4}{7}, -\frac{47}{21}, -\frac{82}{21}, -\frac{39}{7}, -\frac{152}{21}, \dots$

2) $9, 17.3, 25.6, 33.9, 42.2, \dots$

3) $-11.6, -17.6, -23.6, -29.6, -35.6, \dots$

4) $1, 9, 17, 25, 33, \dots$
