

Explicit Formulas for Arithmetic Sequences

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

1) $a_n = 3 - 4n$

2) $a_n = 22 - 7(n - 1)$

3) $a_n = -12 + 3n$

4) $a_n = 1 + 4(n - 1)$

5) $a_n = 37 - 8(n + 1)$

6) $a_n = \frac{-8 + 14(n + 1)}{2}$

B) Write the general term of each arithmetic sequence.

1) $-28, -41, -54, -67, -80, \dots$

2) $90, 173, 256, 339, 422, \dots$

3) $-3, -8, -13, -18, -23, \dots$

4) $8, 44, 80, 116, 152, \dots$
