

Explicit Formulas for Arithmetic Sequences

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

1) $a_n = \frac{5}{4} - \frac{3}{7}(n - 1)$

2) $a_n = -55 - 7(n - 1)$

3) $a_n = 87 - 22n$

4) $a_n = -\frac{7}{6} - \frac{3}{4}(n + 1)$

5) $a_n = -3.4 + 0.1(n - 2)$

6) $a_n = 1.7 - 0.2(n + 3)$

B) Write the general term of each arithmetic sequence.

1) $2\sqrt{6}, 5\sqrt{6}, 8\sqrt{6}, 11\sqrt{6}, 14\sqrt{6}, \dots$

2) $-\frac{1}{7}, \frac{29}{42}, \frac{32}{21}, \frac{33}{14}, \frac{67}{21}, \dots$

3) $-9, -28, -47, -66, -85, \dots$

4) $1.5, -0.5, -2.5, -4.5, -6.5, \dots$
