

Recursive Formulas for Arithmetic Sequences

Write the arithmetic sequence using the recursive formula.

1) $a_n = a_{n-1} - 177; a_1 = -99$

2) $a_n = 31 + a_{n-1}; a_1 = 165$

3) $a_n = 83 + a_{n-1}; a_1 = -192$

4) $a_n = a_{n-1} - 144; a_1 = 106$

5) $a_n = a_{n-1} - \frac{7}{9}; a_1 = \frac{4}{7}$

6) $a_n = a_{n-1} + 110; a_1 = -134$

7) $a_n = 180 + a_{n-1}; a_1 = 111$

8) $a_n = a_{n-1} - 153; a_1 = 102$

9) $a_n = a_{n-1} + 279; a_1 = -74$

10) $a_n = a_{n-1} + \frac{5}{8}; a_1 = 3$
