

## Recursive Formulas for Arithmetic Sequences

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Write the arithmetic sequence using the recursive formula.

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

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

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

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

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

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

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

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

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

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

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