الإمارات العربية المتحدة
وزارة التربية والتعليم

worksheet 2-5 Recursive Formulas

المدرسة الإماراتية

Mleih School

Grade :10 General

Geometric Sequence: $a_n = r.a_{n-1}$
Arithmetic Sequence: $a_n = a_{n-1} + d$

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Write the recursive formula for each sequence:

1) $12, -1, -14, -27, \ldots$

$a_n = a_{n-1} -$

2) $40, -60, 90, -135, \ldots$

$a_n = \quad .a_{n-1}$

Find the first five terms of the sequence:

1) $a_1 = 23, a_n = a_{n-1} + 7, n \geq 2$

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