

Generating Sequences



Section A: Find the first five terms of the following sequences.

n =	1	2	3	4	5
$n + 2$					
$n - 7$					
$4n$					
$3n + 1$					
$5n - 8$					
$2n + 0.5$					
$12n - 1.5$					

Section B: Find the first five terms of the following sequences.

n =	1	2	3	4	5
$2 - n$					
$13 - n$					
$-3n$					
$1 - 2n$					
$-5n + 3$					
$\frac{1}{2}n$					
$\frac{3}{4}n$					

Section C: Find the first four terms of the following sequences.

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|--------------|-------------|---------------|-------------------|
| 1) $2n - 12$ | 4) $3n + 7$ | 7) $8 - n$ | 10) $6n$ |
| 2) $6n - 10$ | 5) $2.5n$ | 8) $0.5n + 3$ | 11) $\frac{n}{2}$ |
| 3) $n - 98$ | 6) $4 - 2n$ | 9) $6 - 3n$ | 12) $8 - 5n$ |

Section D (Level 7!): Find the first three terms of the following sequences.

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|----------------------|-------------------|----------------|-----------------|
| 1) $2(n + 1)$ | 4) $3(n + 5)$ | 7) $10(n - 9)$ | 10) $25(1 - n)$ |
| 2) n^2 | 5) $n^2 + 1$ | 8) $n^2 + 5$ | 11) $2n^2$ |
| 3) $\frac{n + 1}{n}$ | 6) $\frac{3n}{2}$ | 9) $n(n + 2)$ | 12) n^3 |