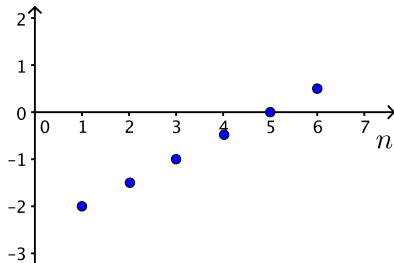




Question

The figure shows the graph of the first six terms of a sequence $\{a_n\}_{n=1}^{\infty}$. Which of the following could be the formula for a_n ?



A. $a_n = \left(-\frac{1}{2}\right)^n - \frac{3}{2}$

B. $a_n = \frac{1}{2}n + 5$

C. $a_n = \frac{1}{2}n - 2$

D. $a_n = -\frac{1}{2}n + \frac{5}{2}$

E. $a_n = \frac{1}{2}n - \frac{5}{2}$