MAC2312: Calculus 2 - Section 3

Quiz 14: 11.1 Sequences   July 14, 2015

1. Find a formula for the general term a_n of the sequence

$$\{a_n\}_{n=1}^{\infty} = \left\{\frac{1}{2}, -\frac{4}{3}, \frac{9}{4}, -\frac{16}{5}, \frac{25}{6}, \ldots\right\}$$

   A. $(-1)^n \dfrac{n^2}{n+1}$

   B. $(-1)^n \dfrac{n^2}{n+2}$

   C. $(-1)^{n-1} \dfrac{n^2}{n+1}$

   D. $(-1)^{n-1} \dfrac{n^2}{n+2}$