

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

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

- A. $(-1)^n \frac{n^2}{n+1}$
- B. $(-1)^n \frac{n^2}{n+2}$
- C. $(-1)^{n-1} \frac{n^2}{n+1}$
- D. $(-1)^{n-1} \frac{n^2}{n+2}$