

June 6th, 2019

Name _____

SWMS-2018-Followup-Quiz in Series

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1. Let $\{a_n\}_{n \geq 1}$ be a sequence of real numbers and $\{a_{n_k}\}_{k \geq 1}$ be a subsequence of the same. Suppose $\sum_{n=1}^{\infty} a_n$ converges. Does it imply that $\sum_{k=1}^{\infty} a_{n_k}$ converges?