1056-11-1210   **Curtis N. Cooper*** (`cooper@ucmo.edu`), Dept. of Math. & Comp. Sci., University of Central Missouri, Warrensburg, MO 64093. *Two Identities Involving Generalized Fibonacci Numbers.*

Let $r \geq 2$ be an integer. The r-generalized Fibonacci sequence $\{G_n\}$ is defined as

$$
G_n = \begin{cases} 0, & \text{for } 0 \leq n < r - 1 \\ 1, & \text{for } n = r - 1 \\ \sum_{i=1}^{r} G_{n-i}, & \text{for } n \geq r. \end{cases}
$$

We will present two identities involving r-generalized Fibonacci numbers. (Received September 21, 2009)

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