1067-11-921 Lenny Jones* (1kjone@ship.edu), Department of Mathematics, Shippensburg University, 1871 Old Main Drive, Shippensburg, PA 17257. Appending Digits to Generate an Infinite Sequence of Composite Numbers I.
Let $d \in\{0,1, \ldots, 9\}$, and let $k$ be a positive integer. We generate an infinite sequence $\left\{s_{n}\right\}_{n=1}^{\infty}$ of positive integers by repeatedly appending the digit $d$ on the right of $k$. For example, if $k=35$ and $d=1$, then the sequence $\left\{s_{n}\right\}_{n=1}^{\infty}$ is:

$$
s_{1}=351, \quad s_{2}=3511, \quad s_{3}=35111, \quad s_{4}=351111, \ldots
$$

For each value of $d$, we investigate when there exist infinitely many positive integers $k$ such that every term of the sequence $\left\{s_{n}\right\}_{n=1}^{\infty}$ is composite. (Received September 16, 2010)

