

Quiz: Section 4.2 (2)

Name: _____

Signature: _____

SHOW ALL YOUR WORK!

Define $T : C[0, 1] \rightarrow C[0, 1]$ as follows: For $f \in C[0, 1]$, let $T(f)$ be the antiderivative F of f such that $F(0) = 0$. Show that T is a linear transformation, and describe the kernel of T .