l.	Let $f:[0,1]\to\mathbb{R}^n$ be C^∞ for $n\geq 2$. Prove that if $f'(x)\neq 0$ then $f([0,1])$ has volume 0.
	<i>Proof.</i> lakdsjfa;df
2.	Let $f:[0,1]^n \to \mathbb{R}^m$ for $n < m$. Prove that if f is lipshitz then $f([0,1]^n)$ has volume 0 in \mathbb{R}^m .
	<i>Proof.</i> lakdsjfa;df
3.	Prove that if $f:[0,1]\to\mathbb{R}^2$ is just continuous then you can have $vol(f[0,1])$ is not 0. These are called space filling curves.
	<i>Proof.</i> lakdsjfa;df □

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