

Quiz 4

Name: _____

Math 4548

February 10, 2014

Given a function $f : [a, b] \rightarrow \mathbb{R}$ on a closed interval $[a, b]$, define the following terms:

1. A *tagged partition* $\dot{\mathcal{P}}$ of $[a, b]$
2. The *norm* $\|\dot{\mathcal{P}}\|$ of a tagged partition $\dot{\mathcal{P}}$
3. The associated *Riemann sum* $S(f; \dot{\mathcal{P}})$
4. The function $f : [a, b] \rightarrow \mathbb{R}$ is *integrable*