Group $\qquad$ Scribe

Other group members

## Group Quiz for Section 4.4

Let $V, W$ be finite-dimensional inner product spaces. Prove the parallelogram identity: for all $v, w \in V$,

$$
\|v+w\|^{2}+\|v-w\|^{2}=2\|v\|^{2}+2\|w\|^{2}
$$

