

HW DUE 1PM WEDS

10) If S is a semigroup & $1_r \in S$ is a right unit, and every $a \in S$ has an inverse rel. to 1_r , then S is a group.

11) If $ax=b$ and $ya=b$ are solvable $\forall a, b \in S$, then S has a unit & is a group