

The majority of the credit you receive will be based on the completeness and the clarity of your responses. **Show all of your work and justify your solutions as much as possible.**
This is a 15 minute quiz and has 1 questions, for a total of 10 points

- (10 points) 1. Let R be an equivalence relation defined on a set A containing the elements a, b, c and d . Prove that if $a R b$, $c R d$ and $a R d$, then $b R c$.