

Homework Assignment to be Handed In # 5

First Submission Due: 4-6-06

Please hand in the following problem:

Consider the relation “ \equiv ” on $\left\{ \frac{p}{q} \mid p, q \in \mathbb{N} \right\}$ given by $\frac{a}{b} \equiv \frac{c}{d}$ if and only if $ad = bc$. Show that this relation is an equivalence relation.