Proof For Feedback for Apr 14

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Theorem 1. *Define the following relation on $\mathbb{Z}$: xRy if $x = 2^k y$ for some $k \in \mathbb{Z}$. Then this relation is an equivalence relation.*

Hint: Do some examples to make sure you understand the definition. For example, $2R1$ but 3 is not related to 5.