

Nov 24, 2010

METU, Fall 2010, Math 111, Section 1.

Quiz 2

1. If $A = \{1, 2, 3\}$, then give an example of a relation R from A to A with 4 elements.
 - Find R^{-1} .
 - Find $R \circ R^{-1}$.
2. Define $F = \{(x, y) \in \mathbf{R} \times \mathbf{R} : |x| = |y|\}$.
 - $\forall x \in \mathbf{R}(\exists y \in \mathbf{R}(xFy))$. True or false? Explain.
 - Is F a function? Justify your answer.