Homework π Selected Solutions

September 2, 2020

§1.6: 15. Define a map $\pi : \mathbb{R}^2 \mapsto \mathbb{R}$ by $\pi((x, y)) = x$. Prove that π is a homomorphism and find the kernel of π.

Proof. (Allman)

The crucial ingredients for your LaTeX contributions to the class solutions are: 1) the problem number from the textbook, 2) your name to give attribution, 3) a correct proof, 4) a file name that follows the pattern problem number(s) and last name:

$$1.6.15\_LASTNAME.tex$$

and 5) no additional macros or packages or gunk.

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