

Quiz #8

MATH 222

Name _____

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Show that $D = \mathbb{Z}$ (integral domain, all integer numbers under + and \cdot) is embedded in \mathbb{Q} , the field of rational numbers.

Hint: Consider mapping:

$$\Phi(x) = (x, 1) \quad , \quad \text{all } x \in \mathbb{Z}$$