Матн 124

Name:

Problem 1: Consider the map

 $f: \mathcal{P}_1 \to \mathbb{R}^2$

given by

$$f\left(a+bx\right) = \begin{pmatrix} a-b\\b \end{pmatrix}.$$

Find the image of each of the following elements:

a) 3 - 2x

b) 2 + 2x

c) x