

MATH 0540 Review Sheet 2

$\lambda_1, \lambda_2 \in \mathbb{R}$ unless specified otherwise.

1) a. $\{ \lambda_1 \cdot (1, 1) + \lambda_2 \cdot (0, 1) \mid \lambda_1, \lambda_2 \in [0, 1] \}$

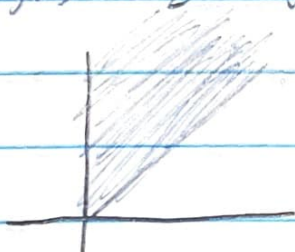


b. $\{ \lambda_1 \cdot (0, 2) + \lambda_2 \cdot (0, 1) \mid \lambda_1, \lambda_2 \in [0, 1] \}$

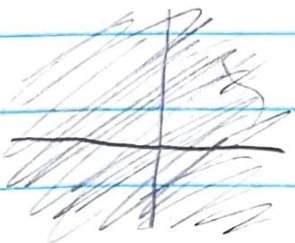


(from $(0, 0)$ to $(0, 3)$)

c. $\{ \lambda_1 \cdot (1, 1) + \lambda_2 \cdot (0, 1) \mid \lambda_1, \lambda_2 \in \mathbb{R}_{\geq 0} \}$



d. $\{ \lambda_1 \cdot (1, 1) + \lambda_2 \cdot (0, 1) \mid \lambda_1, \lambda_2 \in \mathbb{R} \}$



(all of \mathbb{R}^2)