

RUHR-UNIVERSITÄT BOCHUM

## BLATT 2 – AUFGABE 4B

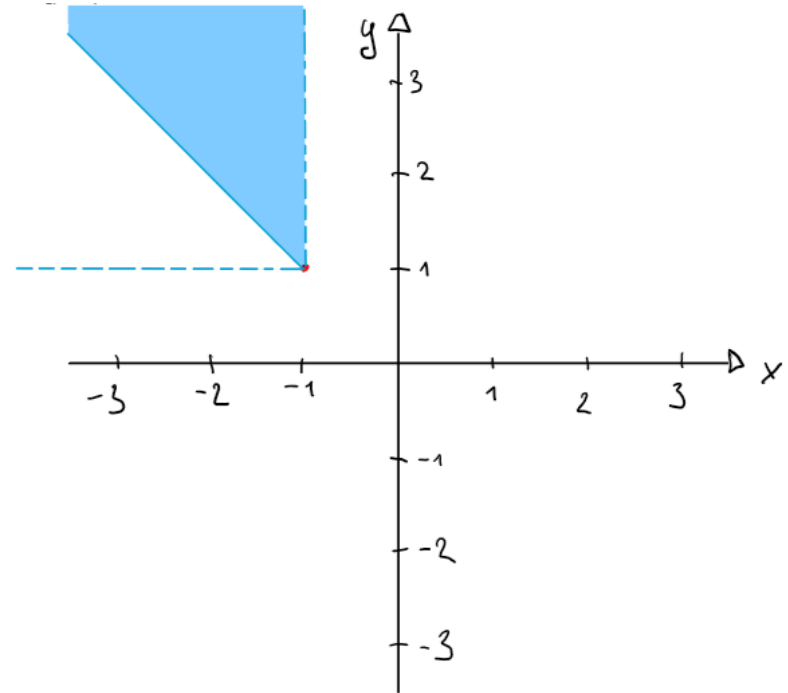
Emily Kunstmann

# Blatt 2 Aufgabe 4b: Skizziere $M = \{(x, y) \in \mathbb{R}^2 \mid \left| \frac{1+x}{1-y} \right| \leq 1\}$

**Fall 1:**  $x < -1 \wedge y > 1$

$$-1 - x \leq -1 + y = y - 1$$

$$-x \leq y$$



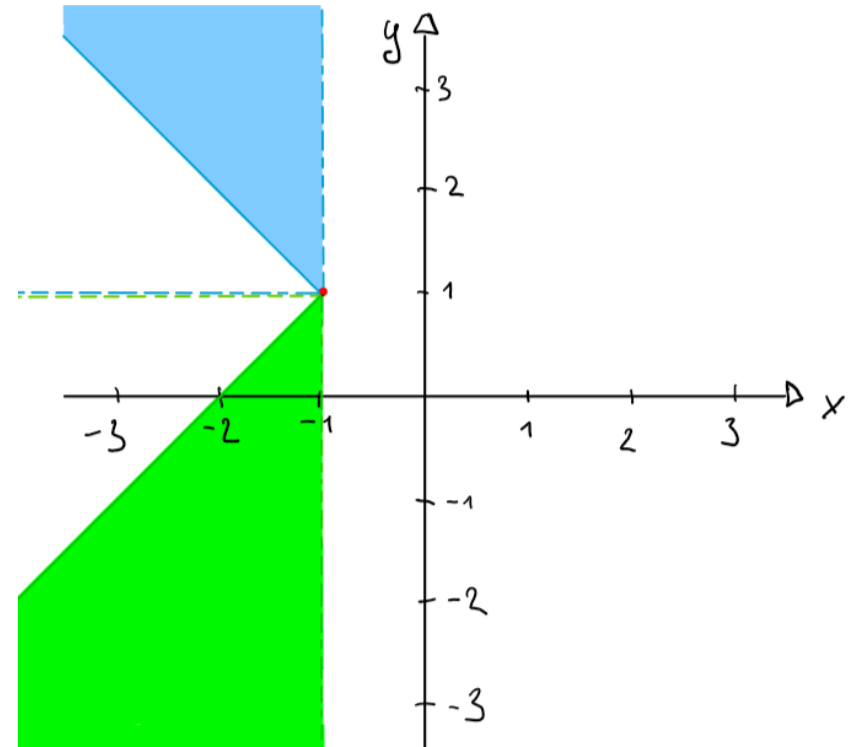
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**Fall 2:**  $x < -1 \wedge y \leq 1$

$$\begin{aligned} -1 - x &\leq 1 - y \\ -x &\leq 2 - y \\ x &\geq y - 2 \end{aligned}$$



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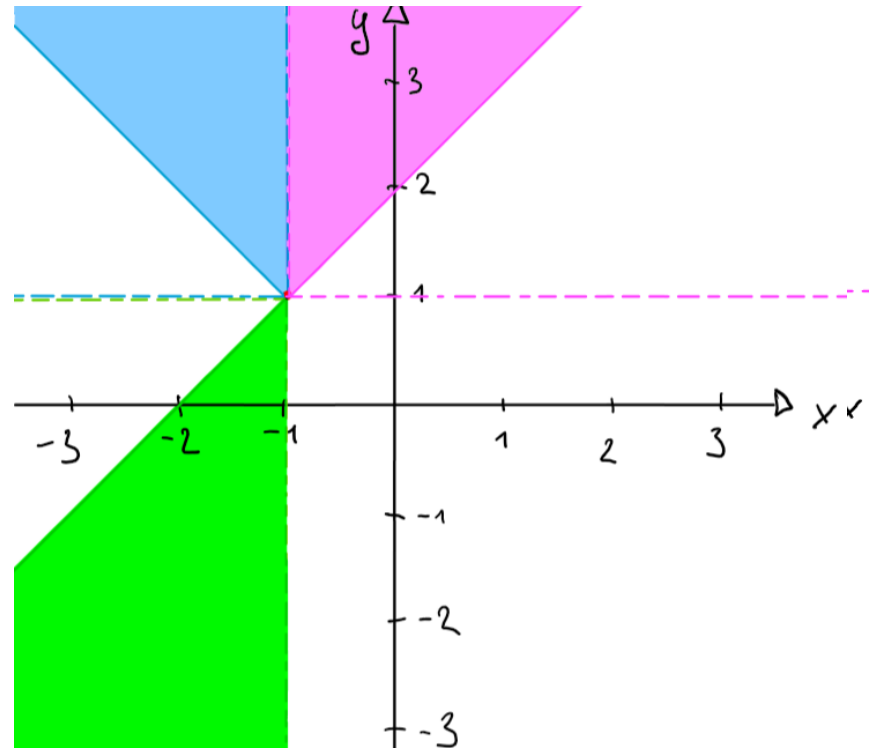
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**Fall 2:**  $x < -1 \wedge y \leq 1$

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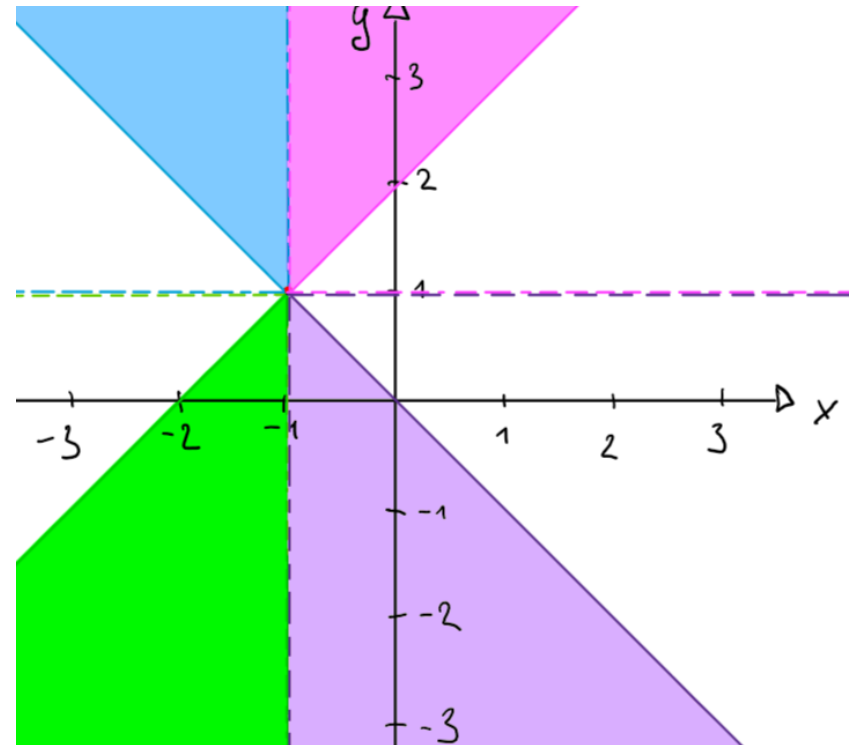
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