(combined =
$$f_{1}$$
 ?, is led fruin de minimo disolid)

$$E_{j} \in M \cap S$$
1) $f_{1} \in \mathbb{R}^{2} \to \mathbb{R}$

$$f(x,y) = x^{2} + y^{2} - 4x - 6y + 13$$

$$P_{unter} = Cute : f_{x}(x,0) = 2x - 4 \quad \forall (1,0) \in \mathbb{R}^{2}$$

$$f_{y}(x,y) = 2y - 6 \quad \forall (2,0) \in \mathbb{R}^{2}$$

$$f_{y}(x,y) = 0 \quad ; \quad 2x - 4 = 0 \quad ; \quad x = 2$$

$$f_{y}(x,y) = 0 \quad ; \quad 2y - 6 = 0 \quad y = 3$$

$$(2,3) = 1 \text{ limits funto cute or }$$

$$f_{y} = \text{limits funto cute or }$$

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