7:
$$f(x,y)=3y^2-2x^4$$
 $f_x=-6x^4$ $f_y=6y$ $f_x=-6x^2=0$ $f_y=6y=0$ $f_y=6y=0$ $f_y=6y=0$ $f_y=6y=0$ $f_y=6y=0$

8:
$$|(x,y)|: 2x^2 - 2xy^2y^2$$
 $|(x,y)|: 0 \le x \le 3, 0 \le y \le 25$
 $f_x = 4x - 2y$ $f_y = 2y - 2x$
 $f_x = 4x - 2y = 0$ $f_y = 2y - 2x = 0$ Sob $x = 0$ $y = 0$ complex $f_{(0,0)} = 0$

1)
$$f(0, y) = y^2$$

2) $f(3, y) = 2(3)^2 - 2(3)y + y^2 = 18 - 6y + y^2$
3) $f(x, 0) = 2x^2$

$$4) \int (x, 2) = 2x^2 - 2(2)x + 2^2 = 2x^2 - 4x + 4$$

1) minimo :
$$f(0,0) = 0$$

maximo: $f(0,2) = 4$

4)

minimo:
$$f(1,2) = 2$$

maximo: $f(0,2) = 9$