3)
$$f: R^2 \to R$$
 $\binom{x}{5} \mapsto x^4 + 4x^2 + 2y^2$ $g: R^2 \to R^2: \binom{x}{5} \mapsto \binom{x + 3}{x^2 + 9}$

$$f \circ g = x^4 y^8 + 4x^2 y^4 (x^2 + y) + 2(x^4 + 2x^2 y^4 y^2) = x^4 y^8 + 4x^4 y^4 + 4x^2 y^3 + 2x^4 + 4x^2 y^4 + 2y^2$$

$$(f \circ g)' = \binom{3x^3 y^8 + 16x^3 y^4 + 8x y^3 + 8x^2 + 8x y^3}{8x^4 y^2 + 16x^4 y^3 + 12x^2 y^3 + 4x^2 + 4y}$$

$$\frac{\partial f}{\partial x} = 3x^4 + 8x y$$

2x = (2x +23x -3x2) - = x232

3+ = (23+2x3-2)- ex-y2

X Stranger Stranger