$$3(x-2)-(y-3)+7(z-y)=0$$

 $3x-6-y+3+7z-28=0$
 $3x-y+7z=3$
 $(4,17)$
 $(4,17)$
 $(4,17)$
 $(4,17)$
 $(4,17)$
 $(4,17)$

 $x^{2}+y^{2}=y^{2}$ $\alpha^{2}+b^{2}=(2)$ $f(x,y)=x^{2}+2y^{2}$ $\frac{\partial}{\partial x}f(x,y)=2x$ $g(x)=x^{2}+2xy+3y^{2}$ $\frac{\partial}{\partial y}g(y)=2x+6y$ $\frac{\partial}{\partial x}g(y)=2x+2y$ $2\left(\frac{1}{4}(x)\cdot y+\frac{1}{2}(x)\right)$

$$\frac{\partial}{\partial x} f(x,y) \qquad \frac{\partial}{\partial y} f(x,y)$$

$$\frac{\partial}{\partial x} (os(xy) + ln(x) + \chi y^2)$$

$$\frac{\partial}{\partial x} (os(xy) + ln(x) + \chi y^2)$$

$$\frac{\partial}{\partial y} (os(xy) + -y \times (os(xy) + 2y)$$

$$\frac{\partial}{\partial y} (os(xy) + ln(x) + \chi y^2)$$

$$\frac{\partial}{\partial y} (os(xy) + ln(x) + \chi y^2)$$

$$\frac{\partial}{\partial y} (x,y) + ln(x) + \chi y^2$$

$$\frac{\partial}{\partial y} (x,y)$$

(2 sin (+) est + 1) (os (t) + (sin(t))25e5t

3.
$$f(x, y) = e^x \sin(x^2 y)$$

$$f_{x} = e^{x} 2xy (os(x^{2}y) + e^{x} sin(x^{2}y)$$

$$f_{xy} = e^{x}(-2x^{3}y \sin(x^{2}y) + 2x\cos(x^{2}y)) + e^{x}x^{2}(\cos(x^{2}y))$$

$$fy = -e^{x} x^{u} sih(x^{2}y)$$