(2)
$$|x_{1}|^{2} + |x_{1}|^{2} + |x_{1}|^{2$$

$$z_1$$
 $y = x^2 + \int \lim_{\alpha \in \mathcal{Y}^2 > 0} \int (x, y) = \lim_{\alpha \in \mathcal{Y}^2 > 0} \int (x, y) = 0$

$$= \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} = 0$$

$$= \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} = 0$$

$$= \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6} = 0$$

(2)
$$\frac{1}{4}$$
 $\frac{1}{(x^2+y^2)^2}$ $\frac{1}{(x^2+$

$$\lim_{(x,y) \to (0,0)} f(x,y) \ge \lim_{(x,y) \to (0,0)} \frac{\frac{1}{3}(x^2 + y^2)^2}{\frac{1}{4}(x^2 + y^2)^3} = \frac{9}{3} \lim_{(x,y) \to (0,0)} \frac{1}{x^2 + y^2} = 400$$

$$49.07$$
 $\frac{1100 \text{ Mod } f(x,y)}{1100 \text{ Mod } f(x,y)} = \frac{1100 \text{ Mod } \frac{610 \text{ Mod } x^2}{1100 \text{ Mod } x^2} = 1$