

	6-(2) HE, 38=min (2) 15
	6-(2) HE, =18=minf=2, 28 5 1×1<6, 14/<60+
4. $f(x+\frac{1}{x}, y-1) = x^2 + y^2 + 2xy - \frac{1}{x} + \frac{2y}{x} - 2x + y) - \frac{1}{x} + 4$	•
= (x+支)²+2(x+支)(y-1)+(y-1)²+1	$\frac{2x+y+2}{2-x-2y} -   =   \frac{3x+3y}{2-x-2y}  $ $\frac{66}{2-35}$
$\Rightarrow f(x,y) = x^{2} + 2xy + y^{2} + 1 = (x+y)^{2} + 1$	2 68
	ξ ξ.
b.(1)社长50, 38=28, \$1x-01 < 8, 14-01 < 8 1(x,y) +10,0) 时,	
$\frac{\left \frac{xy}{ x + y }-0\right \leq\frac{1}{2}\frac{x^2+y^2}{x+y}<\frac{\delta}{2}=\epsilon \frac{\left \frac{xy}{ x + y }\right }{\left \frac{xy}{ x + y }\right }=0$	+ 14) = 1x1+1A1 + 1A1 = 1x1+1A1
hm 204 =0	€ [(x) + /y1)
	< 8
7. (2) 点形《轴方向超向于原点时, 如 242 =0	
点P招曲行y=- $x+x^4$ 指向于版点时, $y=-x+x^4$ $\frac{x^2y^2}{x+y}=\lim_{x\to 0}\frac{x^2(-x+x^4)^2}{x^4}=1$	
(x,y)>(o,o) x+y 7tk x 大比 101 51 9.2.8	
出 をx=r:coso, y=r·sino (r>o), 例:(x,y)→(0,0) がすr→0+.	
$\frac{1}{0 \leq  x^2 + y^2 } = \frac{\Gamma}{\Gamma} = \frac{\Gamma}{ \cos\theta  +  \sin\theta }$	tim =0
$\frac{x^2+y^2}{(x,y)\rightarrow(0,0)} = 0$	· .
(1) 点户君查找少0岁两于厚点时,与m	
点P溶解的+x 适同于原总中,如 24+(x-y)==	
太P溶金法 y=x 該向于厚点, hm - x²y² - (x-y)² = 1 - lim - x²y² - スた在 (x,y)→(o,o) x²y²+(x-y)² - スた在	
$\frac{q. (1)  \lim_{\lambda \to 0} \frac{1 - \cos(\alpha y)}{\ln(1 - 2\alpha^2)} = \lim_{\lambda \to 0} \frac{2\sin^2(\frac{\alpha y}{2})}{\ln(2\alpha^2)} = \lim_{\lambda \to 0} \frac{y^2}{-2\alpha^2} = \lim_{\lambda \to 0} \frac{y^2}{-4} = -\frac{1}{2}$	
(2) $\lim_{\chi \to 0} \frac{\tan \chi - \chi}{\sqrt{1 + \chi^3} - 1} = \lim_{\chi \to 0} \frac{\frac{\chi^3}{3} (\sqrt{1 + 2\chi^3} - 1)}{\sqrt{1 + 2\chi^3} - 1}$	$\frac{(x^3+1)}{(1+2x^3+1)} = \frac{1}{1+2x^3+1} = \frac{2}{6} = \frac{1}{3}$