(3) 
$$\lim_{(x,y)\to(0,0)} \frac{\sqrt{|+xy}-|}{xy} = \lim_{(x,y)\to(0,0)} \frac{xy}{\sqrt{|+xy}+|} = \frac{1}{2}$$

$$(x.y) > (0.0)$$

$$(x.y) = (0.0)$$

$$(x.y) = (0.0)$$

(x-b)-7(0,0) 
$$\frac{\ln\left(x^{2}+e^{y^{2}}\right)}{x^{2}+y^{2}} = \lim_{(x,y)\to(0,0)} \frac{\left(x^{2}+y^{2}+1\right)}{x^{2}+y^{2}} = \left|\frac{x^{2}+y^{2}+1}{x^{2}+y^{2}}\right| = \left|\frac{x^{2}+y^{2}+1}{x^{2}+y^{2}}\right|$$

(6) 
$$\lim_{(x,y)\to(0,0)} \frac{\sin(x^3+y^3)}{x^2+y^2} = \lim_{(x,y)\to(0,0)} \frac{x^3+y^3}{x^2+y^2} = 0$$

(7) 
$$\lim_{(X,y)\to(0,0)} \frac{1-(x_1^2+y_1^2)}{(x_1^2+y_1^2)^{\frac{1}{2}}} = 2 \lim_{(X,y)\to(0,0)} \frac{\left(\frac{x_1^2+y_1^2}{2}\right)^2}{(x_1^2+y_1^2)^{\frac{1}{2}}} = 2 \lim_{(X,y)\to(0,0)} \frac{\left(\frac{x_1^2+y_1^2}{2}\right)^2}{(x_1^2+y_1^2)^2} = 2 \lim_{(X,y)\to(0,0)} \frac{\left(\frac{x_1^2+y_1^$$

(8) 
$$\lim_{x\to +\infty} \frac{x^2+y^2}{e^{x+y}} = 0$$
,  $y\to +\infty$ 

6.11) 
$$\lim_{x\to 0} \lim_{y\to 0} f(x,y) = \lim_{x\to 0} \frac{2x^2}{2x^2+2} = 0 = \lim_{y\to 0} \lim_{x\to 0} f(x,y)$$

A RETURNO. A-Y8imo. r-70° DE to, VE)

 $\lim_{(x,y)\to(0,w)} \frac{x^2y^2}{x^2y^2 + (x-y)^2} = \lim_{x\to\infty} \frac{r^2 \sin^2 \omega \cos^2 \omega}{r^2 \sin^2 \omega \cos^2 \omega} = \lim_{x\to\infty} \frac{r^2 \sin^2 \omega}{r^2 \sin^2 \omega} = \lim_{x\to\infty} \frac{r^2 \sin^2 \omega}{r^2 \cos^2 \omega} = \lim_{x\to\infty} \frac{r^2 \cos^2 \omega}{r^2 \cos^2 \omega} = \lim_{x\to\infty} \frac{r^2$ 

BX=1680. 7=16:00. 1-20

lim f(x, b)= lim (x2+1) 6520 = c0520 7. fate.

二重极跟插在二次根极为 15-1.

12. 对结定的xo. YExx习6= 至>0 S.t. YJ. Sr. IB-5N/26 有 | f(xo.b.)-f(xo.b)| < L-至=至. 敌f对对-致连续. 放于对对连续.又于对x连续.由xo的任意性. 于在D上连续.