lm	X
CMY) >> 6010)	X3 + 6 & Y 8
The second secon	
	2 /
(x)y) = (0,0)	XX
0,777 7 (0,70)	X +6Xy
lim	2 4 X Y
(x, y) = (0,0)	$\frac{10}{x^{10}+y^5}$

lim (x)y) > (0)0)	× 4 ×22/2
1,m (8) 43 7 (1,0)	$\frac{(x-1)^2 \ln(x)}{(x-1)^3 + y^2}$
lim (x)y) → (0,0)	· X 3

E	Examples of continuous functions in 20
	Polynomials
	$\frac{2}{2} \sum_{j=0}^{\infty} a_{j,j} \times a_{j,j} \times D = \mathbb{R}^2.$
9	Rational Functions
	$f(x)y) = g(x)y $ where g and h $h(x)y $ are both polynomial $functions, h \neq 0$
	D= &(x) y) &R2/h(x) y) ≠0 8
3,	$f(x)y) = \begin{cases} 3x^2y & (x,y) \neq (0,0) \\ x^2 + y^2 & (x,y) = (0,0) \end{cases}$
	(x)y = (0, 0)
	$\frac{1}{(200)} \frac{3}{(200)} = 6 = f(0,0)$
	Shown earlier

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