

$$\lim_{[x,y] \rightarrow [0,0]} \frac{2xy}{xy+2x-y}$$

$$\lim_{[x,y] \rightarrow [0,0]} \frac{3x^2}{y^2-5x+3y}$$

$$\lim_{[x,y] \rightarrow [1,0]} \frac{\ln(x+e^x)}{\sqrt{x^2+y^2}} \quad [\ln 2]$$

$$\lim_{[x,y] \rightarrow [2,2]} \frac{x^2-y^2}{x^2-xy+3x-3y} \quad \left[\frac{4}{5}\right]$$

$$\lim_{[x,y] \rightarrow [0,0]} \frac{3(x^2+y^2)}{\sqrt{x^2+y^2+4}-2} \quad [12]$$

$$\lim_{[x,y] \rightarrow [0,0]} \frac{1}{x^4+y^4} \cdot e^{-\frac{1}{x^2+y^2}} \quad [0]$$

$$\lim_{[x,y] \rightarrow [0,0]} \frac{\sqrt{x^2y^2+1}-1}{x^2+y^2} \quad [0]$$

$$\lim_{[x,y] \rightarrow [0,0]} \frac{\sin(x^3+y^3)}{x^2+y^2} \quad [0]$$

$$\lim_{[x,y] \rightarrow [0,0]} \frac{\sin(6x^2+6y^2)}{2(x^2+y^2)} \quad [3]$$

$$\lim_{[x,y] \rightarrow [0,0]} (1+xy)^{\frac{1}{xy}} \quad [e]$$

$$\lim_{[x,y] \rightarrow [3,-2]} (1+2x+3y)^{\frac{1}{2x+3y}} \quad [e]$$