

3.) (9 pts.) Evaluate the following limit : $\lim_{(x,y) \rightarrow (1,-1)} \frac{1 - \sqrt{x+y+1}}{x+y}$

4.) (9 pts.) Verify that the following limit does not exist : $\lim_{(x,y) \rightarrow (0,0)} \frac{xy^3}{x^2 + y^6}$