Name: _____

_____ I.D. # _____ Sr. # _____

Consider the function $f(x,y) = \frac{\sqrt{y-x^2}}{1-x^2}$.

- a) Find and sketch the domain of f(x, y).
- b) Find a linearization of f(x, y) at the point (2,5) and use it to approximate f(1.9, 5.02).