

Name:

[1 pt]

Problem 1. Find the domain of the function $f(x) = \frac{x}{\sqrt{1-x^2}}$.

[5 pts]

Problem 2. Let $f(x) = \sqrt{x}$, $g(x) = x^2 + 1$. Find $(f \circ g)(x)$, $(g \circ f)(x)$ and $g(x+h)$.

[5 pts]