(1) Suppose \( h(x) = \sqrt{x^3 + 1} \). State functions \( f(x) \) and \( g(x) \) such that \( f \circ g = h \).

\[ f(x) = \]

\[ g(x) = \]

(2) Convert 135 degrees to radians.

(3) \( \tan(\pi/3) = \)

(4) (Optional) Name one mathematician (not from VCU) from the past or present.

\textit{Hint: Einstein was not a mathematician!}

(1) Suppose \( h(x) = \frac{1}{x^2 + 2} \). State functions \( f(x) \) and \( g(x) \) such that \( f \circ g = h \).

\[ f(x) = \]

\[ g(x) = \]

(2) Convert 75 degrees to radians.

(3) \( \tan(\frac{3\pi}{4}) = \)

(4) (Optional) Name one mathematician (not from VCU) from the past or present.

\textit{Hint: Einstein was not a mathematician!}