

MATH 211- Quiz 1 - Fall 2001- NAME:

1. Starting with the graph of $y = \sin x$, graph $y = \frac{1}{2} \sin(x - \frac{\pi}{4}) + 2$ by translations and dilations.
2. Find the inverse of the function $f(x) = \frac{1+x}{1-x}$.
3. Find the following limits:
 - (i) $\lim_{x \rightarrow 2} x^2 - 5x + 8$
 - (ii) $\lim_{x \rightarrow 1} \frac{x^2 + x - 2}{x^2 - 3x + 2}$
 - (iii) $\lim_{h \rightarrow 0} \frac{(1+h)^2 - 1}{h}$