Math. 126 Quiz #1
January 19, 1999

Let $f(x) = x^3 - x^2 + x + 2$.

1. Show that $f(x)$ is increasing.

2. Compute the value of the derivative of the inverse function for f at the point $x = 3$. (Hint: You will need to guess a value of x so that $f(x) = 3$.)