1. Let $f$ be the function given by $f(x) = \sqrt{3x - 6}$.
   
   (a) Find a formula for $f^{-1}(x)$.
   (b) Find the domain and range of $f^{-1}$.

2. Let $f(x) = 3x^2 + 1$, for $x \leq 0$.
   
   (a) Find a formula for $f^{-1}(x)$.
   (b) Find the domain and range of $f^{-1}(x)$. 