Higher Maths question bank :: Paper 1

04. Inverse functions

1. Function f is defined by $f(x) = 4 - \frac{1}{3}x$, where $x \in \mathbb{R}$. Find inverse function $f^{-1}(x)$.

2. Function f is defined by $f(x) = 5 + \frac{3}{x}$, where $x \neq 0$. Find inverse function $f^{-1}(x)$.

3. Function f is defined by $f(x) = \frac{2x+1}{x+2}$, where $x \neq -2$. Find inverse function $f^{-1}(x)$.

4. Function f is defined by $f(x) = 2x + 5$, where $x \in \mathbb{R}$. Find inverse function $f^{-1}(x)$.

5. Function f is defined by $f(x) = \frac{x-3}{2x}$, where $x \neq 0$. Find inverse function $f^{-1}(x)$.

6. Function f is defined by $f(x) = \frac{x+2}{1-x}$, where $x \neq 1$. Find inverse function $f^{-1}(x)$.