- 5 A function f is such that $f(x) = \frac{15}{2x+3}$ for $0 \le x \le 6$.
 - (i) Find an expression for f'(x) and use your result to explain why f has an inverse. [3]
 - (ii) Find an expression for $f^{-1}(x)$, and state the domain and range of f^{-1} . [4]