4 A function f is defined for $x \in \mathbb{R}$ and is such that $f'(x) = 2x - 6$. The range of the function is given by $f(x) \geqslant -4$.

  (i) State the value of x for which $f(x)$ has a stationary value. [1]

  (ii) Find an expression for $f(x)$ in terms of x. [4]