- 8 The function f is such that $f(x) = a^2x^2 ax + 3b$ for $x \le \frac{1}{2a}$, where a and b are constants.
 - (i) For the case where $f(-2) = 4a^2 b + 8$ and $f(-3) = 7a^2 b + 14$, find the possible values of a and b.
 - (ii) For the case where a = 1 and b = -1, find an expression for $f^{-1}(x)$ and give the domain of f^{-1} . [5]