

1 The function $f(x)$ is defined for all real x by

$$f(x) = 3x - 2.$$

(a) Find an expression for $f^{-1}(x)$. **[2]**

(b) Sketch the graphs of $y = f(x)$ and $y = f^{-1}(x)$ on the same diagram. **[2]**

(c) Find the set of values of x for which $f(x) > f^{-1}(x)$. **[2]**