**4.** The function f is defined by

$$f(x) = \frac{3x - 7}{x - 2} \qquad x \in \mathbb{R}, x \neq 2$$

(a) Find $f^{-1}(7)$

**(2)**

(b) Show that $ff(x) = \frac{ax + b}{x - 3}$ where $a$ and $b$ are integers to be found.

**(3)**