

20 $f(x) = \frac{x+1}{2x-1}, x \neq \frac{1}{2}$ $g(x) = 3x+4$

(a) Find

(i) $g(2)$

..... [1]

(ii) $gf(-1)$

..... [2]

(iii) $f^{-1}(x)$.

$f^{-1}(x) =$ [3]

(b) Solve $f(x) = g(x)$.

$x =$ or $x =$ [5]