

Function notation – 2020 O Level Math D

1. Nov/2020/Paper_21/No.10

$$f(x) = \frac{3-2x}{5} \qquad g(x) = \frac{x-7}{4}$$

(a) Find $f(-4)$.

..... [1]

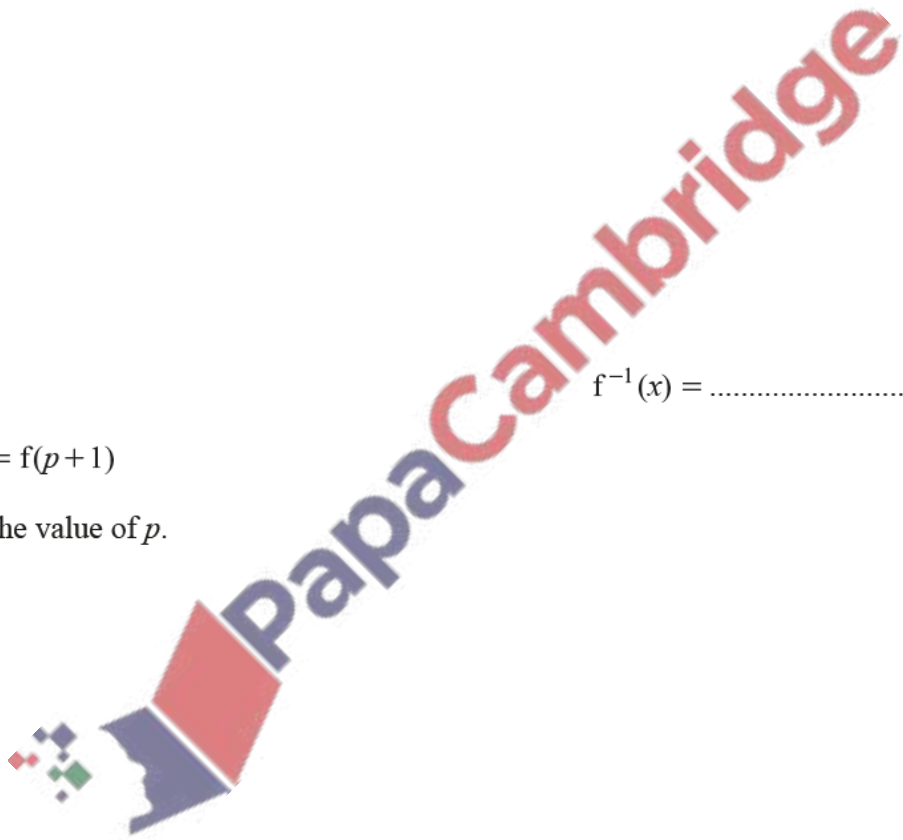
(b) Find $f^{-1}(x)$.

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

(c) $g(p) = f(p+1)$

Find the value of p .

$p = \dots\dots\dots$ [3]



2. Nov/2020/Paper_22/No.6

$$f(x) = 4(2 - x) \qquad g(x) = 7 - \frac{3x}{5}$$

(a) Find $f(-5)$.

..... [1]

(b) Solve the inequality $f(x) > 3$.

..... [2]

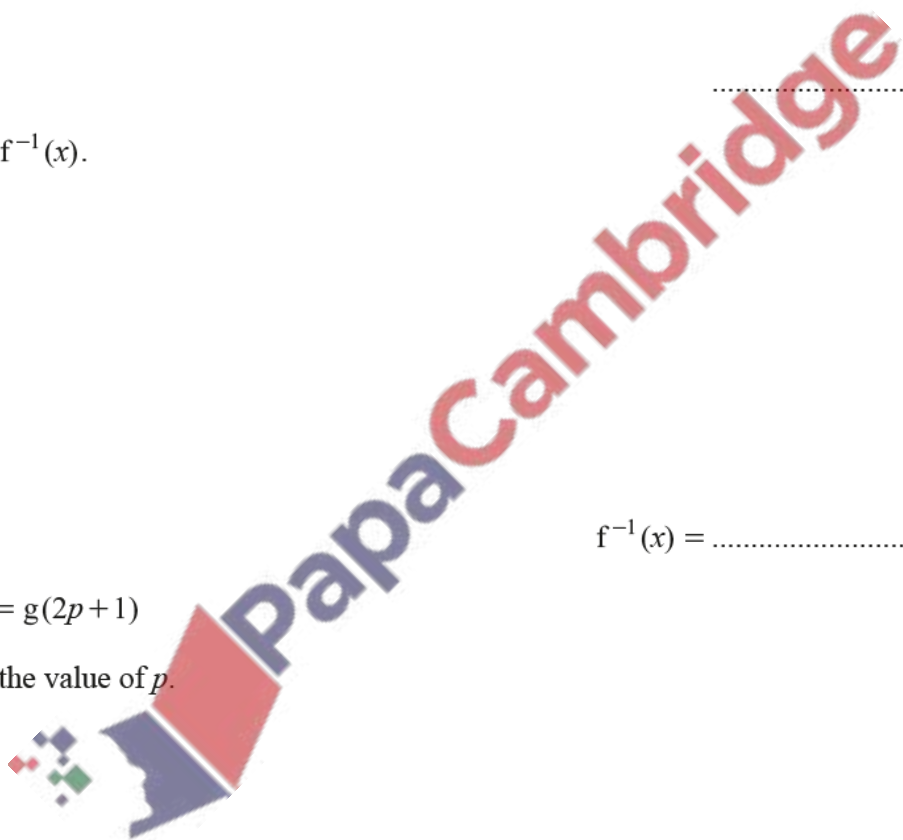
(c) Find $f^{-1}(x)$.

$f^{-1}(x) =$ [2]

(d) $f(p) = g(2p + 1)$

Find the value of p .

$p =$ [3]



3. June/2020/Paper_11/No.17

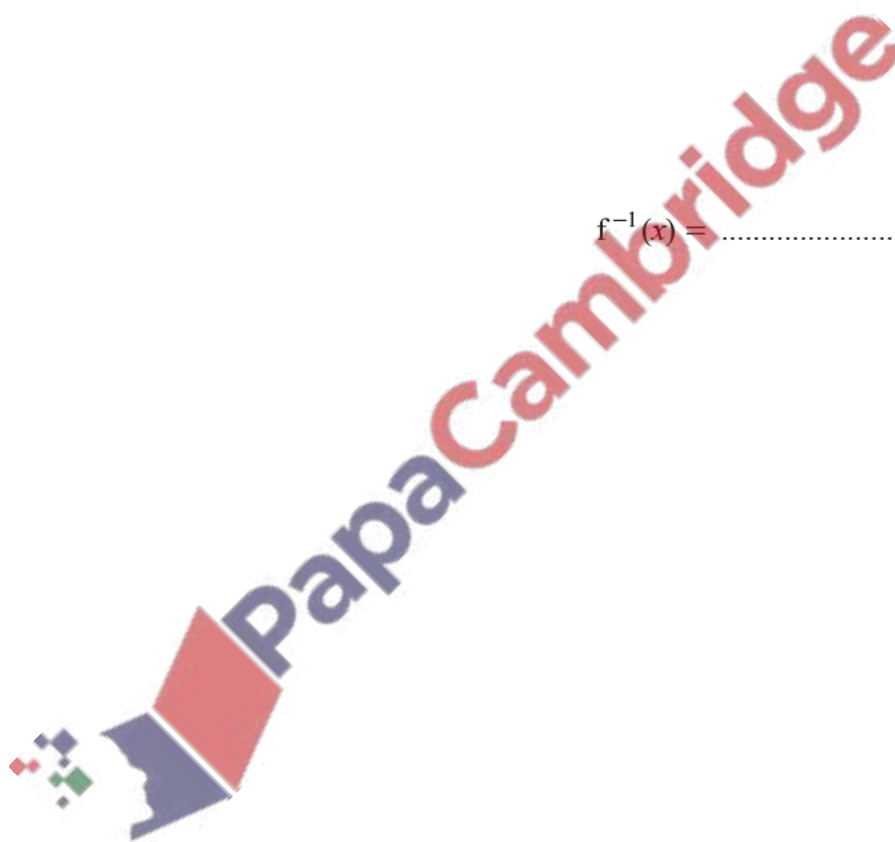
$$f(x) = 5 - 4x$$

(a) Find $f(-3)$.

..... [1]

(b) Find $f^{-1}(x)$.

$f^{-1}(x) =$ [2]



4. June/2020/Paper_12/No.22

$$f(x) = 4(3-x) \quad g(x) = \frac{5(3x-2)}{x}$$

(a) Find $f^{-1}(x)$.

$$f^{-1}(x) = \dots\dots\dots [2]$$

(b) Solve $g(x) = 6$.

$$x = \dots\dots\dots [3]$$

