14 The function f is such that

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

(a) Find f(–7)

.....

(1)

(b) Express the inverse function f^{-1} in the form $f^{-1}(x) = ...$

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

(2)

The function g is such that

$$g(x) = \sqrt{19 - x}$$

(c) Find fg(3)

.....

(2)

(d) Which values of x cannot be included in any domain of g?

.....

(2)

(Total for Question 14 is 7 marks)

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