

20 The functions f and g are such that

$$f(x) = 3x - 6 \qquad g(x) = \frac{2x^2}{x^2 + 1}$$

(a) Find $f^{-1}(9)$

.....
(2)

(b) Find $fg(x)$

Give your answer as a single fraction in its simplest form.

.....
(3)