<b>6</b> The functions f and g are defined by
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$$f(x) = \frac{2}{x^2 - 1} \text{ for } x < -1,$$
  
$$g(x) = x^2 + 1 \text{ for } x > 0.$$

i)	Find an expression for $f^{-1}(x)$ .	[3]

Solve the equation $gf(x) = 5$ .	[-