8	The functions	f and g are	defined as follows,	where a and b	are constants.
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$$f(x) = 1 + \frac{2a}{x - a} \text{ for } x > a$$

$$g(x) = bx - 2 \text{ for } x \in \mathbb{R}$$

(Given that $f(7) = \frac{5}{2}$ and $gf(5) = 4$, find the values of a and b .

For	For the rest of this question, you should use the value of a which you found in (a).					
(b)	Find the domain of f^{-1} .	[1]				
(c)	Find an expression for $f^{-1}(x)$.	[3]				