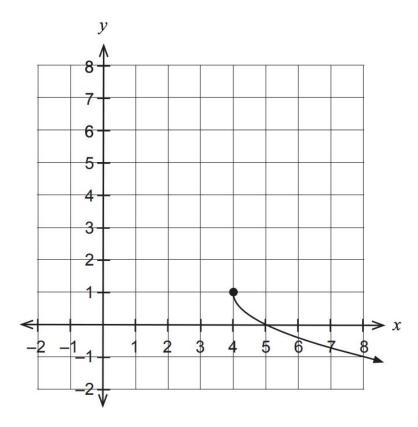
Function f is defined as $f(x) = 1 - \sqrt{x-4}$. The graph of y = f(x) is shown below.



(a) Sketch the graph of $y = f^{-1}(x)$ on the axes above.

(2 marks)

(b) Determine the defining rule for $y = f^{-1}(x)$ and state its domain.

(3 marks)

Function g is defined	as	g(x)) =	$\frac{1}{x^2}$	
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(c) Determine an expression for $f \circ g(x)$.

(1 mark)

(d) For $f \circ g(x)$, determine the domain.

(3 marks)