	$f: x \mapsto \frac{1}{2}x - 2$	
	$g: x \mapsto 4 + x - \frac{1}{2}x^2.$	
(i)	Find the points of intersection of the graphs of $y = f(x)$ and $y = g(x)$.	[3]
i)	Find the set of values of x for which $f(x) > g(x)$.	[2]

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e function h is defined by h: $x \mapsto 4 + x - \frac{1}{2}x^2$ for $x \geqslant k$. Find the smallest value of k for which h has an inverse.	

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