1.	Newton-Raphson's method will always converge to a local minimum.	TRUE	FALSE
2.	An optimization problem is always convex if f(x) is convex.	TRUE	FALSE
	Consider the level curves of a function $f = f(x1,x2)$ and a constraint $h(x1,x2) = 0$ . At the optima of $f$ (subject to $h$ ), the following holds: (Pick one answer!)	e local	
	<ul><li>A. The gradients of f and h are perpendicular</li><li>B. The gradient of h is equal to the zero vector</li><li>C. The gradients of f and h are parallel</li></ul>		
4.	Stochastic optimization methods can be applied even if the objective function $f(x)$ is non-differentiable.	TRUE	FALSE