	Math	3298	Worksheet	10:	Maxima	and	${\rm minima}$	with	Lagrange	multipliers	
G	roup n	nembe	$\operatorname{ers} (2 \text{ to } 4)$:								

(1) Find the maximum and minimum of the function f(x,y) = 4xy subject to the constraint $4x^2 + y^2 = 8$.