Full name:	 GT ID:	Sec:
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## Quiz 6 Version A

You have 15 minutes to take the quiz. No phones, notes, or use aids of any kind is permitted.

1. (10 points) [Lagrange Multipliers] Find the maximum and minimum value of f(x, y) subject to the constraint g(x, y) = k using the method of Lagrange multipliers. [AJN]

$$f(x,y) = x^2y$$
, subject to  $x + y = 3$ .