QUIZ 7 - MATH 112	Friday, March 24
YOUR NAME:	George Voutsadakis
Read each problem very carefully before starting to so Each problem is worth around 5 points. It is necessary answers without explanations are worth 0 points. GOOD	to show all your work. Correct
1. [6 points] A rectangular box with a square base is to have of the box that minimize the amount of materials needed	
Make a sketch on the right of the page and assign varia	bles.
Objective Function:	
Auxiliary Equation:	

Optimization Step:

2. [6 points] Find an equation for the tangent line to the graph of

$$2x^2 - xy^2 + y = -7$$

at the point (x,y)=(2,3). (Use implicit differentiation to find the slope.)