QUIZ 3 - MATH 111	Friday, January 30
YOUR NAME:	George Voutsadakis
Read each problem <b>very carefully</b> before starting to points. It is necessary to <b>show neatly all your wor</b> tions are worth 0 points. GOOD LUCK!!	-
<ol> <li>Suppose that a company manufactures toasters and see in the production and sale of the toasters are \$100, and sold.</li> </ol>	
(a) Write the profit function for the production and	d sale of $x$ toasters.
(b) Find the marginal profit and state correctly its	unit.
2. The percent p of high school seniors using marijuana where $x$ is the number of years after 1990.	daily can be modeled by $30p - 19x = 30$ ,
(a) Use this model to determine the slope of the grap variable.	oh of this function if $x$ is the independent

(b) What is the rate of change of the percent of high school seniors using marijuana per

(c) Sketch the graph of p(x) for appropriate values of x. Make sure to label your axes.

year?