QUIZ 5 - MATH 112   Friday, October 19
YOUR NAME:_____   George Voutsadakis

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Consider the function $f(x) = 3^{-x}$.

   (a) Convert this to an ordinary exponential function of the form $f(x) = a^x$.

   (b) Fill-in the following table:

x	-2	-1	0	1	2
$y = f(x)$					

   (c) Plot the graph of the function $y = f(x)$ **neatly**.

2. Before coming to school this fall, your mom gave you \$3,000 to keep in case of an emergency. You made the decision to invest part of this money in a CD that yields 4% annually compounded quarterly and will be worth \$2,000 when it matures in four years, when you will be ready to graduate. The remaining money you deposited in a checking account. How much money did you deposit in the checking account?