QUIZ 3 - MATH 102	Friday, September 18
YOUR NAME:	George Voutsadakis
Read each problem <b>very carefully</b> before starting to points. It is necessary to show <b>all</b> your work. Corrworth 0 points. GOOD LUCK!!	<del>-</del>
<ol> <li>Glenn is organizing a party and wants to mix a Jung some Jungle Juice Super-Duper containing 20% alco Moderate that will contain 14% alcohol. How many</li> </ol>	hol to obtain 10 gallons of a Jungle Juice
(a) Set variables and <b>explain fully in English</b> w	that they stand for.
(b) Write equation(s) reflecting the data in the sta	tement.
(c) Solve the equation(s) from Part (b) to come up	p with an answer to the question posed.

 $2. \ \, \text{Solve}$  the following linear inequality:

$$\frac{1}{4}x - \frac{1}{2} < \frac{1}{2}x - \frac{2}{3}.$$

Please, write your answer in interval notation and graph the solution set.