QUIZ 4 - MATH 102	Tuesday, January 31
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. Find an equation for the line ℓ passing through the point (7,38), that is perpendicular to the line ℓ' passing through the two points (-45,5) and (15,-5).

2. Graph the solution set of the **compound** inequality in **two** variables:

$$3x + 2y \le 6$$
 and $x - 5y \ge 5$.

(Please show all work.)