

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. Solve the **compound inequality**, give your answer in interval notation and graph the solution set

$$12 - 3x \leq 18 \quad \text{and} \quad 2x - 11 \leq -1.$$

2. Solve the absolute value inequality

$$-3|7 - 2x| + 25 \geq 10.$$