LINEAR INEQUALITIES — MATH 73

LAST NAME	FIRST NAME	DATE

1 (2 points)**.** Solve the inequality, plot the solution set, and state it in the interval notation:

$$\frac{x}{3} + 4 \leq 1$$

2 (2 points)**.** Solve the inequality, plot the solution set, and state it in the interval notation:

$$-47 > 8 - 5x$$

3 (2 points)**.** Solve the inequality, plot the solution set, and state it in the interval notation:

$$\frac{\pi}{2} < -2x + \frac{\pi}{4} < \frac{3}{2}\pi$$

4 (2 points)**.** Solve the inequality:

$$2 > \frac{x}{2} + 5 > 6$$

5 (Just For Fun)**.** Solve the inequality, plot the solution set, and state it in the interval notation:

$$x^2 - x - 12 \leq 0$$