Math 100   Name: _____

American River College

Quiz 3   Student ID: _____

❖ Show all work
❖ No notes, books, or calculators allowed.
❖ Write answers in lowest terms when possible

1. (3 points) Solve the given equation for b

$$A = \frac{1}{2}h(b + B)$$

2. (3 points) Solve the equation for x

$$\frac{x - 3}{8} = \frac{2x - 3}{12}$$

3. (4 points) Solve the inequality and graph the solution.

$$\frac{x}{4} + 1 \leq 5 - \frac{x}{4}$$