b.

balances x. (Solve for x)

Rewrite the problem using variables and numbers. Let = x and = 1 unit. Then, determine what

3. Write a sentence to describe how to apply inverse operations to sovle the equation. Then solve and verify your solution.

$$8x - 5 = -37$$

4. Solve and verify

$$8(3x-4)=16$$

5. Solve and verify

$$4(2x-2) - 18 = -26$$

**6.** Solve and verify. Then, graph the solution on a number line.



$$-3x + 7 \ge -5$$

Write an equation to represent each situation. Define your variables, solve the equation, and verify your solution.

7. .Ms. Moderelli charges her piano students \$40 per lesson plus a semester recital fee of \$55. How many lessons did Jerry take if he paid a total of \$695 for lessons this semester?