Module 2 Group Challenge Problems

The challenge is for you to work the problem out both individually and as a group. Locate your groups question, individually work the solution, as a group decide on the best solution to present to the class, post it to the Module Challenge Problem Solutions Corner, and be ready to answer any questions that your fellow students may have about your group's challenge problem.

Group 1 Challenge Problem:

Solve the following equation for a (make sure you notice the Absolute Value bars, and don't forget to label the solution with "AND" or "OR" as necessary):

$$\left|\frac{2}{3}a - \frac{3}{4}\right| + \frac{4}{5} > 1$$

Group 2 Challenge Problem:

What solution set satisfies both equations (note the Absolute Value bars!):

$$|\, x - 1\,| \leq 1 \quad AND \quad |\, x + 1\,| \leq 1$$

Group 3 Challenge Problem:

Solve the following equation for c (make sure you notice the Absolute Value bars below, and don't forget to label the solution with "AND" or "OR" as necessary):

$$|\, 4c - 2\,| > 12$$

Group 4 Challenge Problem:

Solve the following equation for b.

$$7 - 4b \leq -3(b - 1)$$