

Simplify each of the equations below. Show your work.

1. $5(x + 3) - 10$

2. $(8x + 1) - 7(x + 2)$

Solve each of the following algebraically for x. Show your work.

1. $4 + 2x = 5x - 8$

2. $9x + 22 = 5x - 13$

Solve each of the inequalities below. Then graph the solution on a number line. Show your work.

1. $5x + 4 \geq -11$



2. $-4x + 3 < 19$



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