Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Solve the linear equations:

   (a) $5x + 10(x + 2) = 110$

   (b) $\dfrac{x - 5}{3} - \dfrac{2x - 7}{2} = \dfrac{2x + 1}{3} - \dfrac{1}{6}$.

2. Tell whether the following linear equation is an identity, a conditional or an inconsistent equation.
$$2(x + 3) - 7 = 5(5 - x) + 7(x + 1).$$