

Question 8

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1. Simplify the expression given by: $\frac{x-x^{-1}}{1+x^{-1}}$
2. Simplify $\frac{a^2 \times a^{x-4}}{a^{1-x}}$.
3. Solve for x if $2^{2x+2} + 35(2^x) - 9 = 0$.