Pre-Calculus A 120

Formative Assessment #18 – Solving Exponential Equations with Like Bases

RF6.1: I can solve exponential equations with the same base.

1. Solve each exponential equation.

   a) $2 \cdot 3^x + 1 = 19$

   b) $\left(\frac{1}{6}\right)^{-3x-2} = 216^{x+1}$

   c) $8^{x^2-x} = 4^{x^2+5}$