Provide a clear and organized presentation. Solve each of the following equations and give exact values only.

1. $2 \cdot 3^{5x+1} + 3 = 14$ 2. $9^x + 3^{x+1} = 28$ 3. $\log_3\left(2x-1\right) + \log_3\left(x-2\right) = 3$