Directions: The following problems are suggested.

1. Solve each of the following.

   (a) \(2^{x-2} = \frac{1}{32}\)
   
   (b) \(\left(\frac{1}{5}\right)^{x+1} = 125\)
   
   (c) \(e^{x^2-3} = e^{2x}\)