MATH 114 QUIZ 7 8 NOVEMBER 2016

Solve the following two problems. Show all steps in your work.

(1) Which real numbers x satisfy $\frac{1}{9^x} = 3^{4x-5}$? Check your answers.

(2) Find the range and any horizontal asymptotes of the function $F(x) = 10 - e^{2x-6}$. Also, what's F(3)?