## MATH 114 QUIZ 7 8 NOVEMBER 2016

Solve the following two problems. Show all steps in your work.
(1) Which real numbers $x$ satisfy $\frac{1}{9^{x}}=3^{4 x-5}$ ? Check your answers.
(2) Find the range and any horizontal asymptotes of the function $F(x)=10-e^{2 x-6}$. Also, what's $F(3)$ ?

