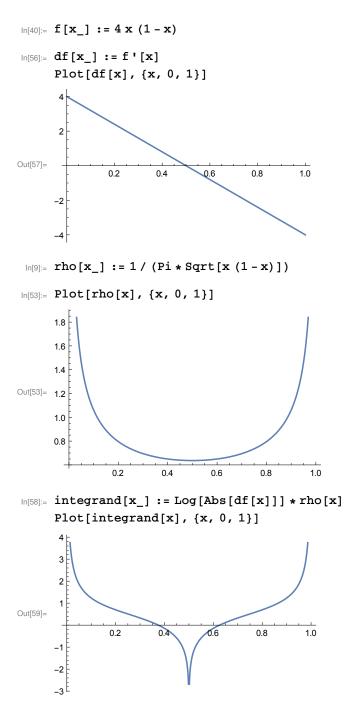
## Calculation of the Lyapunov exponent for the Logistic Map at r = 4 using the analytically derived natural densitiy.



In[60]:= Integrate[integrand[x], {x, 0, 1}]

Out[60]= Log[2]