Name			

Solve $3^{x-4} = 5$. Round your answer to two decimal places.

$$\ln 3^{x-4} = \ln 5$$

$$(x-4) \ln 3 = \ln 5$$

$$x-4 = \ln 5$$

$$1 = \ln 5$$

$$1 = \ln 5$$

$$1 = 1 = 1$$

$$1 = 1 = 1$$

$$1 = 5.46$$

$$\log_3 5 = \chi - 4$$

$$\frac{\ln 5}{\ln 3} = \chi - 4$$

$$\chi = \frac{\ln 5}{\ln 3} + 4$$

$$\chi \approx 5.46$$