5.2 Let y be the vapor pressure of water and x the temperature. Consider the following models

M1:	$y = \beta_0 + \beta_1 x + \varepsilon$
M2:	$y = \beta_0 + \beta_1(1/x) + \varepsilon$
M3:	$\log_e y = \beta_0 + \beta_1 x + \varepsilon$
M4:	$\log_e y = \beta_0 + \beta_1(1/x) + \varepsilon$

Which is the best fitted model that you would choose and why? Fit your fitted model to the data and conduct the usual tests of model adequacy.