Project: Bachelor's Degrees The table shows the numbers B (in thousands) of bachelor's degrees earned by women in the United States from 2002 through 2013. A linear model for the data is

$B = 26.9t + 689, \quad 2 \leq t \leq 13$

where t represents the year, with $t = 2$ corresponding to 2002. *(Source: National Center for Education Statistics)*

Spreadsheet at LarsonPrecalculus.com

Year	Bachelor's degrees, B
2002	742
2003	776
2004	804
2005	826
2006	855
2007	875
2008	895
2009	916
2010	943
2011	982
2012	1026
2013	1053

(a) Use a graphing utility to plot the data and graph the model in the same viewing window.

(b) Use the model to approximate the number of bachelor's degrees earned by women for each year from 2002 through 2013.

(c) Compare the estimates to the actual data. Is the model a good fit for the data? Explain.

(d) What are the slope and y-intercept of the model? Interpret their meaning in the context of the problem.

(e) Use the model to predict the number of bachelor's degrees earned by women in 2020.