Pell Grants The maximum loan permitted under the federal student-aid program is given in Table 2.24 for several years. Let $x = 0$ represent 1990, $x = 1$ represent 1991, and so forth.

Table 2.24 Maximum Pell Grant

Year	Amount (dollars)
1990	2300
1991	2400
1992	2400
1993	2300
1994	2300
1995	2340
1996	2470
1997	2700
1998	3000
1999	3125
2000	3300
2001	3750
2002	4000

Source: U.S. Education Department, as reported in The Chronicle of Higher Education, February 15, 2002.

Find the linear regression model.

Find the Quadratic regression model.

Which model is better? Why?

According to both models, what would the current Pell Grant amount be?

What do you anticipate for future Pell grant amounts?