The number of foreign-born immigrants in the United States has fluctuated over the last one hundredyears.

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| Years | Immigration Population (in millions) |
| 1900 | 10.3 |
| 1910 | 13.5 |
| 1920 | 13.9 |
| 1930 | 14.2 |
| 1940 | 11.6 |
| 1950 | 10.3 |
| 1960 | 9.7 |
| 1970 | 9.6 |
| 1980 | 14.1 |
| 1990 | 19.8 |
| 2000 | 31.1 |

1. Find the best-fit model for the foreign-born immigrants in the United States, where the input is years since 1900. (12 Marks)
2. Predict the number of foreign-born immigrants in 2010. (3 Marks)