

EG02041 Advanced Mathematics**Feedback Quiz (4): Functions of several Variables****Total Points: 10****Name:****ID:**

1. **Life Expectancy of Women.** Consider the data below, which show the average life expectancy of women in various years.

Year, x	Life Expectancy of Women, y (years)
0. 1950	71.1
10. 1960	73.1
20. 1970	74.7
30. 1980	77.4
40. 1990	78.8
50. 2000	79.5

a) Find the regression line, $y = mx + b$.

b) Use the regression line to predict the life expectancy of women in 2010 and 2015.

