. The sales of a company (in crores of rupees) for each year are shown in the table below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x (year) | 2005 | 2006 | 2007 | 2008 | 2009 |
| y (sales) | 12 | 19 | 29 | 37 | 45 |

a) Find the least square regression line y = a x + b.   
b) Use the least squares regression line as a model to estimate the sales of the company in 2012.