The graph shows the trend of the average number of authors per article from 1970 to 2010. The equation for the trendline is $y = 0.0529x - 101.1$, with an $R^2$ value of 0.6675.

Similarly, the upper graph illustrates the trend of the percent of one-author articles. The equation for the trendline is $y = -0.5256x + 1065.5$, with an $R^2$ value of 0.2831.