The table below shows the number of new Starbucks that were opened during the years 1986 to 1994

1986	-	14	1991	-	153
1987	-	27	1992	-	261
1988	-	48	1993	-	403
1989	-	80	1994	-	681
1990	-	110			

Letting $x = 0$ correspond to 1986:

Perform a linear, quadratic, and exponential regression of the data with your calculator on FLOAT. Then round to 3 decimals (more if necessary) to calculate the best fit equation.

Linear Correlation Coefficient:_____   Quadratic Correlation Coefficient:_____

Exponential Correlation Coefficient:_____   Best Fit:_____

1) Using the best fit model, how many new Starbucks were opened in 2000? _____

2) Using the best fit model, how many new Starbucks were opened in 2014? _____

3) To the nearest year, in which year were 2,000 new Starbucks opened? _____