

**Math 189 – Quasi-Assignment #5**

**Do not hand in! Will not be marked!**

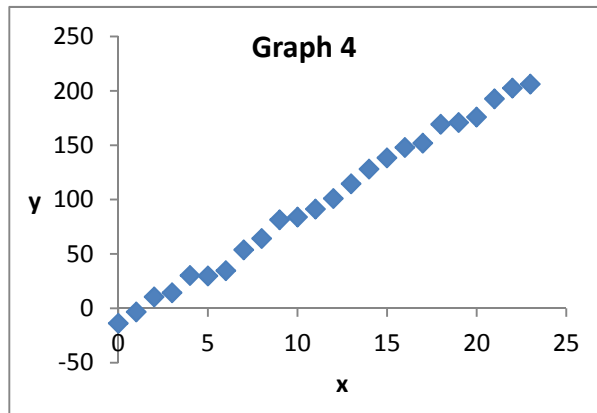
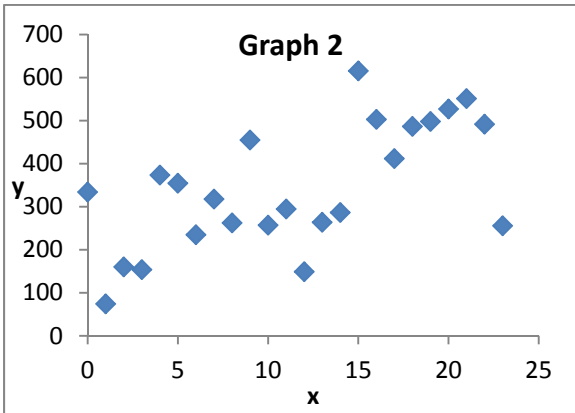
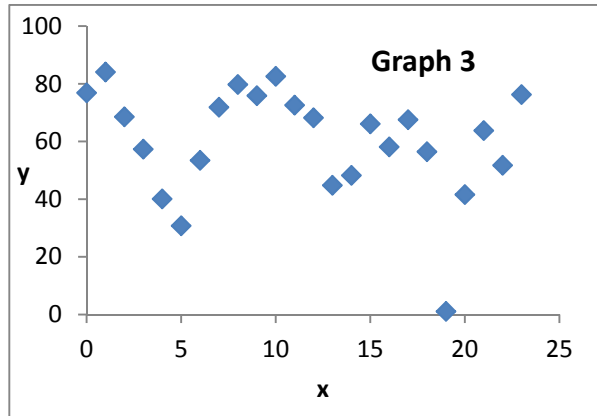
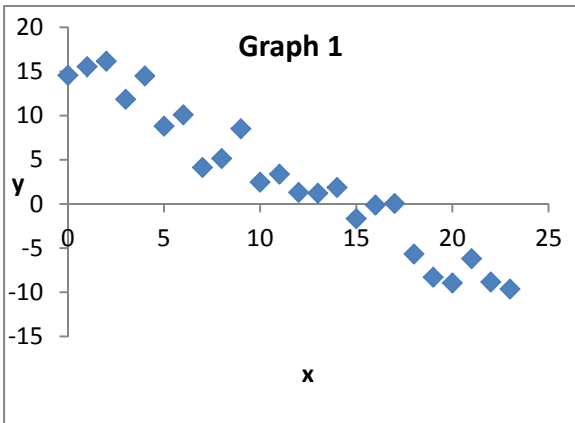
1. Match the following correlation coefficients to the correct graph:

a) 0.998

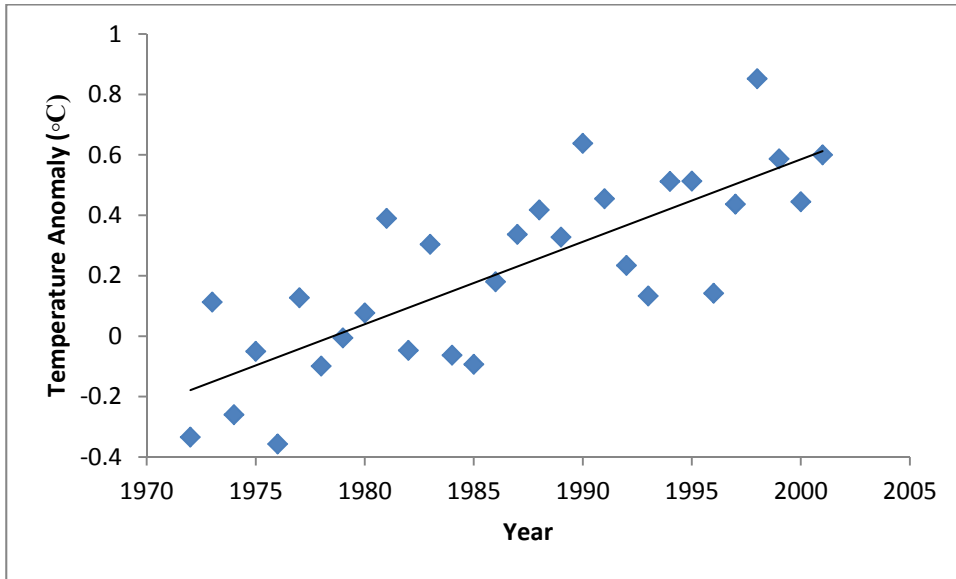
c)  $-0.26$

b) 0.62

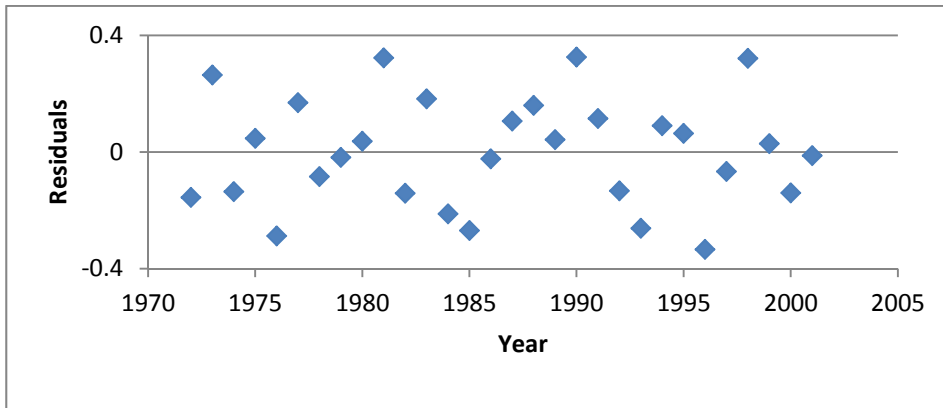
d)  $-0.97$



2. The following graph shows the annual mean global surface temperature anomaly for the period 1972 to 2001 provided by the Global Historical Climate Network. The linear regression line is also included in the plot.



The residuals for the previous plot are shown below:



Does the assumption of a linear relationship appear to be reasonable? Explain.