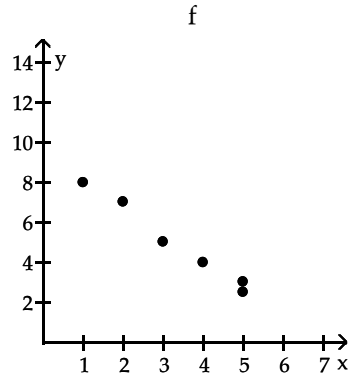
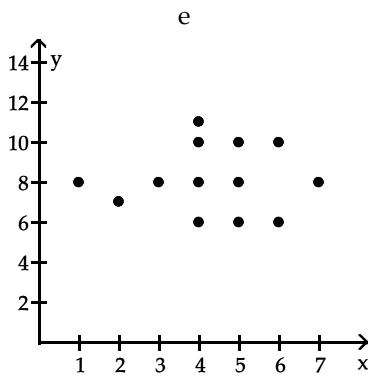
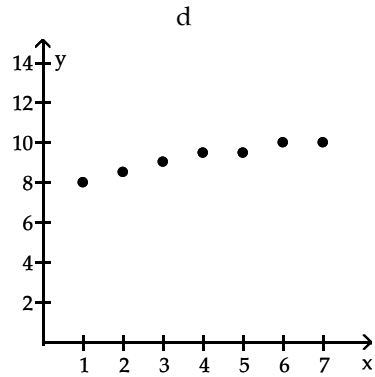
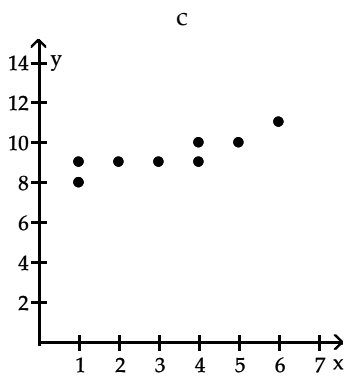
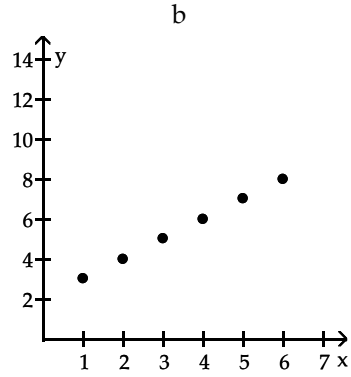
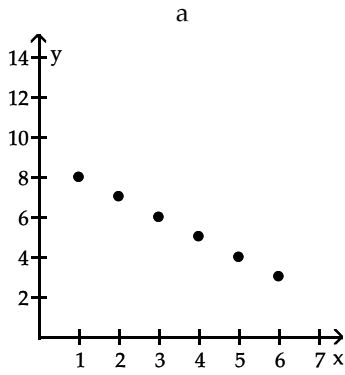


Use the scatter plots shown, labelled a through f to solve the problem.

8)



Which scatter plot indicates a perfect negative correlation?

A) b

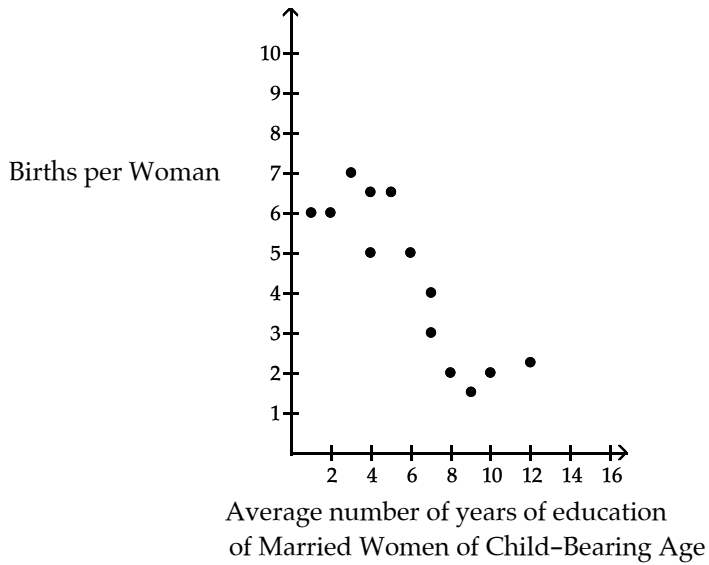
B) a

C) f

D) c

The scatter plot shows the relationship between average number of years of education and births per woman of child bearing age in selected countries. Use the scatter plot to determine whether the statement is true or false.

9)



No two countries have a different number of births per woman with the same number of years of education.

A) True

B) False

The correlation coefficient, r is given for a sample of n data points. Use the $\alpha = 0.05$ column in a correlation significance table to determine whether or not we may conclude that a correlation does exist in the population.

10) $n = 42$ $r = -0.301$

A) Yes, we can conclude that there is a correlation.

B) No, we can not conclude that there is a correlation.