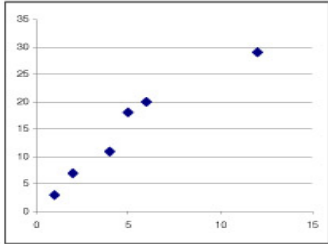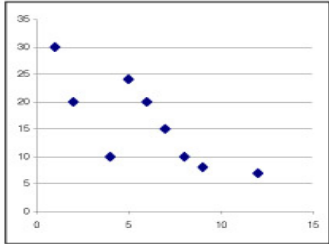Name: _____ Class Period: _____ Date: _____

Estimate the correlation coefficient for each scatter plot. Cross each answer out in the box below.
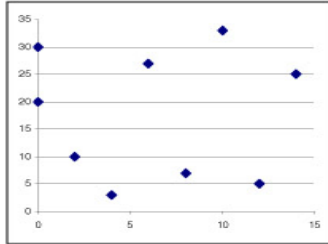
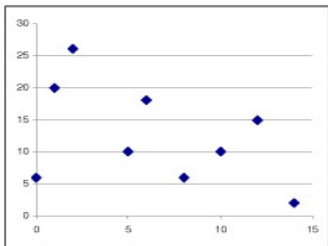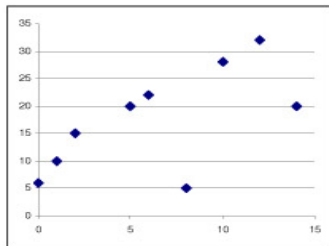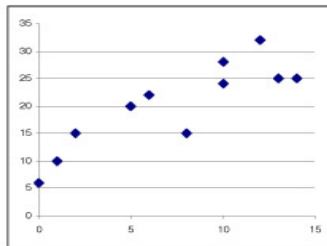| .9,	–.6,	0,	–.2,	.4,	.75

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Social Studies Connection: Should mathematicians credit Karl Pearson by using his name?

Karl Pearson was an English statistician. He developed "Pearson's Linear Correlation Coefficient". He also founded the world's first university statistics department. No one questions that he was an intelligent man. The question is, was he a man of character. Along with statistics, he also studied and became a professor of eugenics. Pearson was a follower of Darwin, but felt that natural selection was failing and the majority of children were the result of what he felt to be "unfit" parents.   His beliefs were shared with some in the US too. A quote from a Chicago Tribune article, "Yale Study: U.S. Eugenics Paralleled Nazi Germany", D. Morgan, February 15, 2000, follows

> "U.S. doctors who once believed that sterilization could help rid society of mental illness and crime launched a 20th century eugenics movement that in some ways paralleled the policies of Nazi Germany."

So, it is up to you to decide. You need to know what Pearson's correlation coefficient is. You decide what you want to call it.

For help with this worksheet go to Mathops.com Section 9 Lesson 4.

SP 4