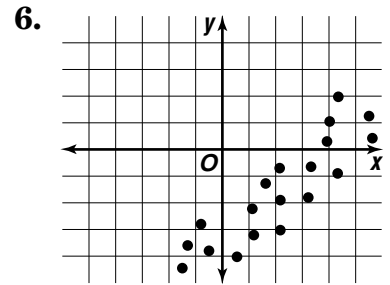
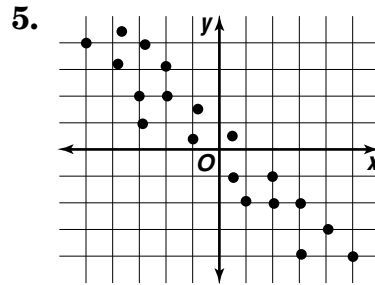
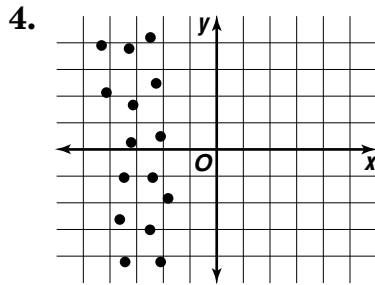
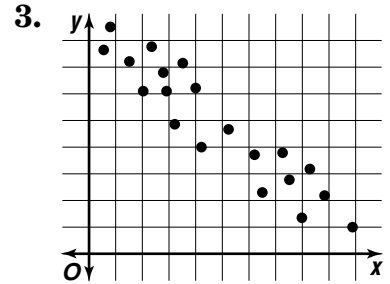
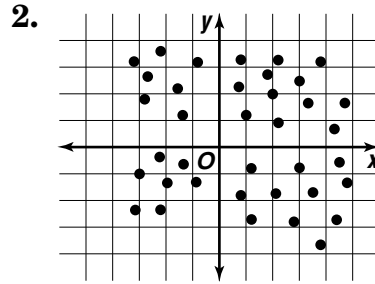
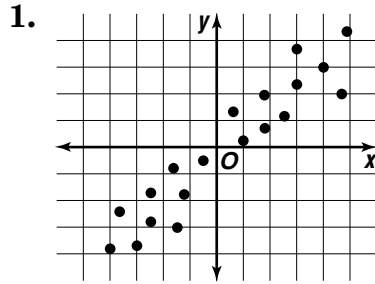


Practice

Integration: Statistics
Scatter Plots and Best-Fit Lines

Which graphs show a correlation between the variables?
If there is a correlation, is it positive, negative, or not possible to tell?



The average California Achievement Test scores in mathematics and science for Wesley High School sophomores from 1985 to 1989 are given in the table at the right.

Year	Mathematics Score	Science Score
1985	60	65
1986	53	65
1987	44	57
1988	61	61
1989	70	67

- Make a scatter plot of the data. Use the coordinate plane provided.
- Does the scatter plot show a positive or negative correlation?
- Predict the mathematics score corresponding to a science score of 50.
- Predict the science score corresponding to a mathematics score of 65.

