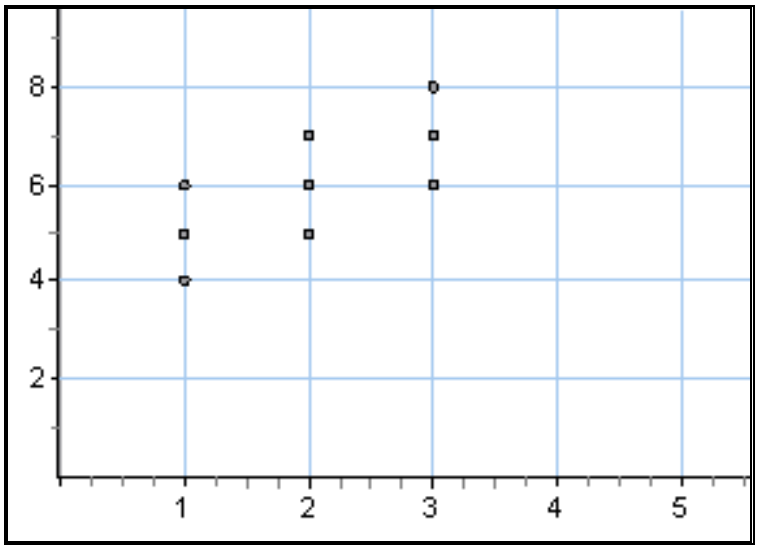
Matching Descriptions to Scatter Plots II

For the nine points on the following scatterplot, $r \approx 0.71$, $r^2 = 0.5$, and the equation of the least-squares regression line is $y = 4.00 + 1.00x$.



A tenth point is added to the original nine. Match each of the following points with the correlation coefficient that would result if that point were added. Do not calculate the new correlation coefficient but rather reason out which r must go with each point.

Points	**Correlation coefficients**
(a) (3,7)	I. -0.84
(b) (2,6)	II. -0.70
(c) (10,0)	III. 0.02
(d) (10,6)	IV. 0.22
(e) (10,14)	V. 0.71
(f) (100,0)	VI. 0.73
(g) (100,6)	VII. 0.96