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For the following data (a) display the data in a scatter plot, (b) calculate the correlation r, and (c) make a conclusion about the data type of correlation.

The number of hours 6 students watched television during the weekend and the scores of each student who took a test the following Monday.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Hours spent watching TV, x | 0 | 1 | 2 | 3 | 3 | 5 |
| Test score, y | 96 | 89 | 83 | 72 | 90 | 67 |

1. Choose the correct scatter plot below:



1. The correlation coefficient r is \_\_\_\_\_\_\_. (round to three decimal places as needed)
2. Which of the following best describes the type of correlation that exists between number of hours spent watching television and test scores.

