Integrated Algebra Journal: Analysis of Data
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NAME:_____

P.I. A.S.3: Determine when collected data may be biased

P.I. A.S.12: Identify the relationship between the independent and dependent variable from a scatter plot (positive, negative, or none)

1. Suppose you wanted to poll students who ride buses to your school about the conditions on their buses. How would you obtain a random sample of 25 students?

2. Explain how to determine whether the trend relating two sets of data shows a *positive correlation*, *negative correlation*, or *no correlation*.

[1] Answers may vary but may include randomly polling the same number of students from each bus that transports students to the school.

[2] For a positive correlation, both sets of data increase together. For a negative correlation, one set of data decreases as the other set increases. For no correlation, there is no relationship between the data.