

A.A.32: Slope: Explain slope as a rate of change between dependent and independent variables

- 1 In a linear equation, the independent variable increases at a constant rate while the dependent variable decreases at a constant rate. The slope of this line is
 - 1) zero
 - 2) negative
 - 3) positive
 - 4) undefined
- 2 In a given linear equation, the value of the independent variable decreases at a constant rate while the value of the dependent variable increases at a constant rate. The slope of this line is
 - 1) positive
 - 2) negative
 - 3) zero
 - 4) undefined
- 3 If the value of dependent variable y increases as the value of independent variable x increases, the graph of this relationship could be a
 - 1) horizontal line
 - 2) vertical line
 - 3) line with a negative slope
 - 4) line with a positive slope
- 4 The data in the table below are graphed, and the slope is examined.

x	y
0.5	9.0
1	8.75
1.5	8.5
2	8.25
2.5	8.0

The rate of change represented in this table can be described as

- 1) negative
- 2) positive
- 3) undefined
- 4) zero

A.A.32: Slope: Explain slope as a rate of change between dependent and independent variables
Answer Section

- | | | |
|---|--------|---------------|
| 1 | ANS: 2 | REF: 080823ia |
| 2 | ANS: 2 | REF: 081223ia |
| 3 | ANS: 4 | REF: 080417a |
| 4 | ANS: 1 | REF: 081115ia |