Name: _____

S.ID.C.7: Slope 3

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

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S.ID.C.7: Slope 3
Answer Section

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