

Algebra I

5.1 Classwork #1

Defining Slope

NAME: _____
DATE: _____ HOUR: _____

1. Read pages 208-212 in your textbook.
2. Define "slope" *in your own words*.
3. Describe a positive slope.
4. Describe a negative slope.
5. What is the geometric interpretation of slope? (top of p. 209)

slope =

5. What is slope as a difference ratio? (bottom of p. 211)

$m =$ _____

over

7. Circle the difference results will produce a **positive** slope.

positive
positive

positive
negative

negative
negative

negative
positive

Questions 8-9 refer to the graph on p. 209.

8. If you walked from left to right along the path of this line, would you be walking uphill or downhill?
9. Is the slope of the line positive or negative?
10. If you walked from left to right along the path of a line with a positive slope would you be walking uphill or downhill?
11. If you walked from left to right along the path of a horizontal line, would you be walking uphill or downhill?
12. What happens to the slope of a line as it gets steeper?