Warm Up

1) The line $y = \frac{-1}{5}x - 10$ has a slope of ____-1/5____.

in front of x

2) In the equation y= 4x - 3 the -3 is known as ____y-intercept____

slope y-intercept

3) Calculate the slope of (5,-6) (9,6) . (Show work)

$x_1, y_1 \quad x_2 y_2$

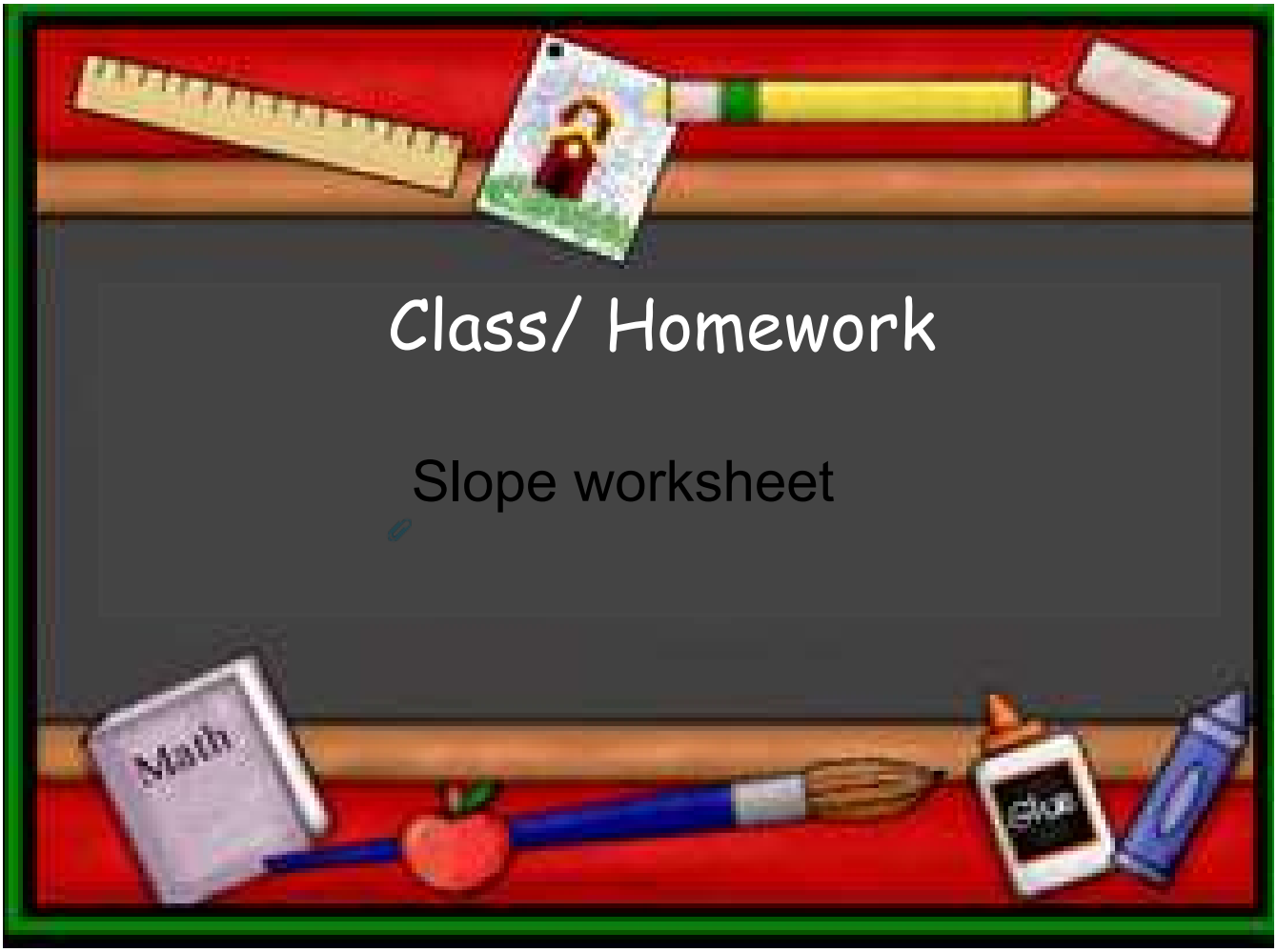
$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - -6}{9 - 5} = \frac{6+6}{9-5} = \frac{12}{4} = 3$$

4)Parallel lines have slopes that are what? Same or Equal

5) Perpendicular lines have slopes that are what? opposite reciprocals

6) Vertical lines have slopes that are what? undefind

$$m = \frac{\text{rise}}{\text{run}} \quad \frac{+1}{0} = \text{undefind error}$$


Class/ Homework
Slope worksheet
Math
glue

Attachments

Point slope form.docx

Assignment 1 Slope pdf.pdf