

MA 109: September 7

Linear Functions: Slope and Equations

Start of Class

Instructor Information

Name:

Email:

Office Hours:

Warm-up Questions

Notes

Computing Slope

The slope of the line between the points (x_1, y_1) and (x_2, y_2) is

Example: Compute the slope of the line between the points $(0,5)$ and $(3,-4)$.

What if we flip the order?

Writing Equations of Linear Functions

Step 1:

Step 2:

Step 3:

Example: Write the equation of the line with slope -3 and goes through the point $(2,5)$.

What about y -intercepts?

Example: Write the equation of the line with slope 5 and y -intercept $(0,7)$.

End of Class

Write a summary of what you learned today:

What questions do you have about the material from today?

What do you need to do between now and the next class meeting?