MA 109: August 23

Function Notation – Evaluating Functions

Start of Class

Instructor Information

Name:

Email:

Office Hours:

Warm-up Questions

Notes

What is a function?

Example: Suppose $f(x) = x + 4$. What is $f(-3)$?

Constant functions are functions that…

Example: Suppose $f(x) = 42$. What is $f(-1)$?

Inputs can be anything!

Example: Suppose $f(x) = 3x^2 - 7$. What is $f(a + 1)$?

Piecewise Functions are functions that...

$$p(x) = \begin{cases} 5 - x & x > 2 \\ \pi & 0 \le x \le 2 \\ x^2 + 1 & x < 0 \end{cases}$$

Example: Suppose $p(x)$ is given as above. What is $p(0)$?

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?